



REPUBLIK INDONESIA
KEMENTERIAN HUKUM DAN HAK ASASI MANUSIA

SURAT PENCATATAN CIPTAAN

Dalam rangka perlindungan ciptaan di bidang ilmu pengetahuan, seni dan sastra berdasarkan Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta, dengan ini menerangkan:

Nomor dan tanggal permohonan : EC00202010890, 19 Maret 2020

Pencipta

Nama : **Dr. Hj. Hosizah, S.KM, M.KM., Kori Puspita Ningsih, A.Md., S.KM., M.KM., , dkk**

Alamat : Jl. Mahoni Blok B.GG V No, 14 Rt. 05/014 Lagoa, Koja, Jakarta, JAKARTA UTARA, Dki Jakarta, 14270

Kewarganegaraan : Indonesia

Pemegang Hak Cipta

Nama : **Dr. Hj. Hosizah, S.KM, M.KM., Kori Puspita Ningsih, A.Md., S.KM., M.KM., , dkk**

Alamat : Jl. Mahoni Blok B.GG V No, 14 Rt. 05/014 Lagoa, Koja, Jakarta, JAKARTA UTARA, 7, 14270

Kewarganegaraan : Indonesia

Jenis Ciptaan : **Program Komputer**

Judul Ciptaan : **Aplikasi Online Manajemen Soal Try Out Ujian Kompetensi PMIK - APTIRMIKI**

Tanggal dan tempat diumumkan untuk pertama kali di wilayah Indonesia atau di luar wilayah Indonesia : 19 Maret 2020, di Karanganyar

Jangka waktu perlindungan : Berlaku selama 50 (lima puluh) tahun sejak Ciptaan tersebut pertama kali dilakukan Pengumuman.

Nomor pencatatan : 000183550

adalah benar berdasarkan keterangan yang diberikan oleh Pemohon.
Surat Pencatatan Hak Cipta atau produk Hak terkait ini sesuai dengan Pasal 72 Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta.



a.n. MENTERI HUKUM DAN HAK ASASI MANUSIA
DIREKTUR JENDERAL KEKAYAAN INTELEKTUAL

Dr. Freddy Harris, S.H., LL.M., ACCS.
NIP. 196611181994031001

Formulir Permohonan Pencatatan Ciptaan

Data Permohonan	
Nomor Permohonan	: EC00202010890
Tanggal Pengajuan	: 19-03-2020
Jenis Ciptaan	: Program Komputer
Judul Ciptaan	: Aplikasi Online Manajemen Soal Try Out Ujian Kompetensi PMIK - APTIRMIKI
Uraian Ciptaan	: Merupakan aplikasi yang dikembangkan untuk pengelolaan bank soal ujian try out kompetensi PMIK - APTIRMIKI
Tanggal dan tempat diumumkan pertama kali	: Karanganyar, 19-03-2020

Pencipta		
Nama	Alamat	Kebangsaan
Dr. Hj. Hosizah, S.KM, M.KM.	Jl. Mahoni Blok B.GG V No, 14 Rt. 05/014 Lagoa, Koja, Jakarta	Indonesia
Kori Puspita Ningsih, A.Md., S.KM., M.KM.	Suryowijayan MJ 1/393 RT. 24/07 Cedongkiwo Mantrijeron Kota Yogyakarta	Indonesia
Sustin Farlinda, S.Kom., M.T.	Jl. Mastrip Perum Mastrip Blok BB-1.C RT. 01/021 Sumbersari, Sumbersari, Jember	Indonesia
Jerhi Wahyu Fernanda, S.Si., M.Si.	Jl. DR Suharjo No. 10 Rt. 06/02 Campurejo, Mojokerto, Kota Kediri	Indonesia
Syamsuriansyah, S.Pd., M.M.Kes	Jl. Planet Raya, No. 80 Blok E. BTN BHP RT. 05/00 Telagawaru, Labuapi, Lombok Barat	Indonesia
Eka Wilda Faida, S.KM, M.Kes	Dharmahusada 4/14 RT. 03/01 Pacar Kembang, Tambaksari, Kota Surabaya	Indonesia
Angga Eko Pramono, A.Md., S.KM., M.P.H.	Dusun Krajan RT. 4/4 Setail Genteng Banyuwangi	Indonesia
dr. Wisnaningsih Surjoseputro	Perum Mojoroto Indah H/7 RT. 043/011 Mojoroto, Mojototo, Kediri	Indonesia
Dr. Ida Sugiarti, S.Kep., Ners, M.H.Kes.	Perum Kampung Dadaha Blok D1 Rt. 09/04 Kahuripan Tawang, Kota Tasikmalaya	Indonesia
Rina Gunarti, S.KM, M.P.H.	Jl. Anjir Serapat Baru RT. 09 Anjir Serapat Baru Kapus Timur, Kapuas	Indonesia

Pemegang		
Nama	Alamat	Kebangsaan
Dr. Hj. Hosizah, S.KM, M.KM.	Jl. Mahoni Blok B.GG V No, 14 Rt. 05/014 Lagoa, Koja, Jakarta	Indonesia
Kori Puspita Ningsih, A.Md., S.KM., M.KM.	Suryowijayan MJ 1/393 RT. 24/07 Cedongkiwo Mantrijeron Kota Yogyakarta	Indonesia
Sustin Farlinda, S.Kom., M.T.	Jl. Mastrip Perum Mastrip Blok BB-1.C RT. 01/021 Sumbersari, Sumbersari, Jember	Indonesia
Jerhi Wahyu Fernanda, S.Si., M.Si.	Jl. DR Suharjo No. 10 Rt. 06/02 Campurejo, Mojokerto, Kota Kediri	Indonesia
Syamsuriansyah, S.Pd., M.M.Kes	Jl. Planet Raya, No. 80 Blok E. BTN BHP RT. 05/00 Telagawaru, Labuapi, Lombok Barat	Indonesia
Eka Wilda Faida,	Dharmahusada 4/14 RT. 03/01 Pacar Kembang, Tambaksari,	Indonesia



S.KM, M.Kes	Kota Surabaya	
Angga Eko Pramono, A.Md., S.KM., M.P.H.	Dusun Krajan RT. 4/4 Setail Genteng Banyuwangi	Indonesia
dr. Wisnaningsih Surjoseputro	Perum Mojoroto Indah H/7 RT. 043/011 Mojoroto, Mojotolo, Kediri	Indonesia
Dr. Ida Sugiarti, S.Kep., Ners, M.H.Kes.	Perum Kampung Dadaha Blok D1 Rt. 09/04 Kahuripan Tawang, Kota Tasikmalaya	Indonesia
Rina Gunarti, S.KM, M.P.H.	Jl. Anjir Serapat Baru RT. 09 Anjir Serapat Baru Kapus Timur, Kapas	Indonesia

Lampiran

KTP
Peringatan
Detail

Jakarta, 19-03-2020
Pemohon/Kuasa

t.t.d.

Tanda Tangan

Nama Lengkap Rohmadi

Catatan: Jika dalam jangka waktu 5(lima) hari kerja belum mendapatkan surat pencatatan ciptaan, agar menghubungi email: permohonan.ciptadesain@dgip.go.id

Dr. Hj. Hosizah, S.KM, M.KM.

**PROVINSI DKI JAKARTA
JAKARTA UTARA**

NIK : 3172035902710007

Nama	: HOSIZAH
Tempat/Tgl Lahir	: MADURA, 19-02-1971
Jenis Kelamin	: PEREMPUAN Gol. Darah : B
Alamat	: J. MAHONI BLOK B GG. V NO. 14
RT/RW	: 005/014
Kel/Desa	: LAGOA
Kecamatan	: KOJA
Agama	: ISLAM
Status Perkawinan	: BELUM KAWIN
Pekerjaan	: DOSEN
Kewarganegaraan	: WNI
Bertaku Hingga	: SEUMUR HIDUP



JAKARTA UTARA
12-08-2017

Hosizah

Kori Puspita Ningsih, A.Md., S.KM., M.KM.

**PROVINSI DAERAH ISTIMEWA YOGYAKARTA
KOTA YOGYAKARTA**

NIK : 3471084901880002

Nama	: KORI PUSPITA NINGSIH
Tempat/Tgl Lahir	: BOYOLALI, 09-01-1988
Jenis Kelamin	: PEREMPUAN Gol. Darah : O
Alamat	: SRI YOWIJAYAN MJ 1393 RT/RW : 024 / 007
Kel/Desa	: GEDONGKIWO
Kecamatan	: MANTRIJERON
Agama	: ISLAM
Status Perkawinan	: KAWIN
Pekerjaan	: KARYAWAN SWASTA
Kewarganegaraan	: WNI
Bertaku Hingga	: 09-01-2017



KOTA YOGYAKARTA
02-03-2013

K. Ningsih

Sustin Farlinda, S.Kom., M.T.

**PROVINSI JAWA TIMUR
KABUPATEN JEMBER**

NIK : 3509214402720005

Nama	: SUSTIN FARLINDA, S.KOM., M.T.
Tempat/Tgl Lahir	: JEMBER, 04-02-1972
Jenis Kelamin	: PEREMPUAN Gol. Darah : O
Alamat	: J. MASTRIP PERUM MASTRIP BLOK BB-1.C
RT/RW	: 001/021
Kel/Desa	: SUMBERSARI
Kecamatan	: SUMBERSARI
Agama	: ISLAM
Status Perkawinan	: KAWIN
Pekerjaan	: DOSEN
Kewarganegaraan	: WNI
Bertaku Hingga	: SEUMUR HIDUP



JEMBER
23-03-2019

Farlinda

Jerhi Wahyu Fernanda, S.Si., M.Si.

PROVINSI JAWA TIMUR
KOTA KEDIRI

NIK : 3571010403860002

Nama : JERHI WAHYU FERNANDA
Tempat/Tgl Lahir : KEDIRI, 04-03-1986
Jenis kelamin : LAKI-LAKI Gol. Darah : B
Alamat : J. BANDAR NGALIMGGI
NO 14
RT/RW : 008/002
Kel/Desa : BANDAR KIDUL
Kecamatan : MOJOFOTO
Agama : ISLAM
Status Perkawinan : KAWIN
Pekerjaan : DOSEN
Kewarganegaraan : WNI
Berlaku Hingga : SEUMUR HIDUP



KOTA KEDIRI
27-12-2017



Syamsuriansyah, S.Pd., M.M.Kes

PROVINSI NUSA TENGGARA BARAT
KABUPATEN LOMBOK BARAT

NIK : 5201080112780001

Nama : SYAMSURIANSYAH
Tempat/Tgl Lahir : DENA-BOLO, 01-12-1978
Jenis kelamin : LAKI-LAKI Gol. Darah : B
Alamat : J. PLANET RAYA NO.80
BLOK E BTN BHP
RT/RW : 005/000
Kel/Desa : TELAGAWARU
Kecamatan : LABUAPI
Agama : ISLAM
Status Perkawinan : KAWIN
Pekerjaan : DOSEN
Kewarganegaraan : WNI
Berlaku Hingga : SEUMUR HIDUP



LOMBOK BARAT
10-07-2015



Eka Wilda Faida, S.KM, M.Kes

PROVINSI JAWA TIMUR
KOTA SURABAYA

NIK : 3578104101830004

Nama : EKA WILDA FAIDA, S.KM
Tempat/Tgl. Lahir : JOMBANG, 01-01-1983
Jenis Kelamin : PEREMPUAN Gol. Darah : O
Alamat : DHARMAHUSADA 4/14
RT/RW : 003/001 Kode Pos : 60132
Kelurahan : PACAR KEMBANG
Kacamatan : TAMBAK SARI
Agama : ISLAM Status Kawin : KAWIN
Pekerjaan : DOSEN
Berlaku Hingga : 01-01-2019
Kewarganegaraan : WNI



KOTA SURABAYA, 10-01-2014
KEPALA DINAS KEPENDUDUKAN
DAN CATATAN SIPIL



Moh. SUHARTO WARDoyo, SH., M.Hum
NIP. 197208311997001004

Tanda Tangan/Redi Jari Pemegang KTP

Angga Eko Pramono, A.Md., S.KM., M.P.H.

**PROVINSI JAWA TIMUR
KABUPATEN BANYUWANGI**

NIK : 3510091108890001

Nama	ANGGA EKO PRAMONO		
Tempat/Tgl Lahir	BANYUWANGI, 11-08-1989		
Jenis Kelamin	LAKE-LAKE	Gol Darah	
Alamat	DUSUN KRAJAN		
RT/RW	004 / 004		
Kel/Desa	SETAIL		
Kecamatan	GENTENG		
Agama	ISLAM		
Status Perkawinan	BELUM KAWIN		
Pekerjaan	PELAJAR/MAHASISWA		
Kewarganegaraan	WNI		
Berlaku Hingga	11-08-2017		




BANYUWANGI
25-09-2012
Angga

dr. Wisnaningsih Surjoseputro

**PROVINSI JAWA TIMUR
KOTA KEDIRI**

NIK : 3571026806480002

Nama	WISNANINGSIH SURJOSEPUTRO		
Tempat/Tgl Lahir	KEDIRI, 28-06-1943		
Jenis Kelamin	PEREMPUAN	Gol Darah	A
Alamat	PERUM MOJOROTO INDAH H/7		
RT/RW	043 / 011		
Kel/Desa	MOJOROTO		
Kecamatan	MOJOROTO		
Agama	KATHOLIK		
Status Perkawinan	CERAI MATI		
Pekerjaan	DOKTER		
Kewarganegaraan	WNI		
Berlaku Hingga	SEUMUR HIDUP		



KOTA KEDIRI
17-07-2012
Wisnaningsih

Dr. Ida Sugiarti, S.Kep., Ners, M.H.Kes.

**PROVINSI JAWA BARAT
KOTA TASIKMALAYA**

NIK : 3211226312780004

Nama	IDA SUGIARTI		
Tempat/Tgl Lahir	CIAMIS, 23-12-1978		
Jenis Kelamin	PEREMPUAN	Gol Darah	
Alamat	PERUM KAMPUNG DADAH		
	BLOK D 1		
RT/RW	009/004		
Kel/Desa	KAHURIPAN		
Kecamatan	TAWANG		
Agama	ISLAM		
Status Perkawinan	KAWIN		
Pekerjaan	DOSEN		
Kewarganegaraan	WNI		
Berlaku Hingga	SEUMUR HIDUP		



KOTA TASIKMALAYA
22-02-2018
Ida Sugiarti

Rina Gunarti, S.KM, M.P.H.

**PROVINSI KALIMANTAN TENGAH
KABUPATEN KAPUAS**

NIK : 6203036205860002

Nama	: RINA GUNARTI		
Tempat/Tgl Lahir	: ANJIR SERAPAT, 22-05-1986		
Jenis Kelamin	: PEREMPUAN	Gol Darah	: O
Alamat	: JL. ANJIR SERAPAT BARU		
RT/RW	: 009 /		
Kel/Desa	: ANJIR SERAPAT BARU		
Kecamatan	: KAPUAS TIMUR		
Agama	: ISLAM		
Status Perkawinan	: BELUM KAWIN		
Pekerjaan	: KARYAWAN SWASTA		
Kewarganegaraan	: WNI		
Bertaku Hingga	: 22-05-2017		



KAPUAS
19-10-2012
Rina Gunarti

SURAT PERNYATAAN

Yang bertanda tangan dibawah ini :

N a m a	: Kori Puspita Ningsih, A.Md., S.KM., M.KM.
Kewarganegaraan	: Indonesia
Alamat	: Suryowijayan MJ 1/393 RT. 24/07 Cedongkiwo Mantrijeron Kota Yogyakarta
N a m a	: Dr. Hj. Hosizah, S.KM, M.KM.
Kewarganegaraan	: Indonesia
Alamat	: Jl. Mahoni Blok B.GG V No, 14 Rt. 05/014 Lagoa, Koja, Jakarta
N a m a	: Sustin Farlinda, S.Kom., M.T.
Kewarganegaraan	: Indonesia
Alamat	: Jl. Mastrip Perum Mastrip Blok BB-1.C RT. 01/021 Sumbersari, Sumbersari, Jember
N a m a	: Jerhi Wahyu Fernanda, S.Si., M.Si.
Kewarganegaraan	: Indonesia
Alamat	: Jl. DR Suharjo No. 10 Rt. 06/02 Campurejo, Mojokerto, Kota Kediri
N a m a	: Syamsuriansyah, S.Pd., M.M.Kes
Kewarganegaraan	: Indonesia
Alamat	: Jl. Planet Raya, No. 80 Blok E. BTN BHP RT. 05/00 Telagawaru, Labuapi, Lombok Barat
N a m a	: Eka Wilda Faida, S.KM, M.Kes
Kewarganegaraan	: Indonesia
Alamat	: Dharmahusada 4/14 RT. 03/01 Pacar Kembang, Tambaksari, Kota Surabaya
N a m a	: Angga Eko Pramono, A.Md., S.KM., M.P.H.
Kewarganegaraan	: Indonesia
Alamat	: Dusun Krajan RT. 4/4 Setail Genteng Banyuwangi
N a m a	: dr. Wisnaningsih Surjoseputro
Kewarganegaraan	: Indonesia
Alamat	: Perum Mojoroto Indah H/7 RT. 043/011 Mojoroto, Mojototo, Kediri
N a m a	: Dr. Ida Sugiarti, S.Kep., Ners, M.H.Kes.
Kewarganegaraan	: Indonesia
Alamat	: Perum Kampung Dadaha Blok D1 Rt. 09/04 Kahuripan Tawang, Kota Tasikmalaya
N a m a	: Rina Gunarti, S.KM, M.P.H.
Kewarganegaraan	: Indonesia

Dengan ini menyatakan bahwa :

1. Karya Cipta yang saya mohonkan :

Berupa : Program Komputer

Berjudul : Aplikasi Online Manajemen Soal Try Out Ujian Kompetensi PMIK -
APTIRMIKI

- Tidak meniru dan tidak sama secara esensial dengan Karya Cipta milik pihak lain atau obyek kekayaan intelektual lainnya sebagaimana dimaksud dalam Pasal 68 ayat (2);
 - Bukan merupakan Ekspresi Budaya Tradisional sebagaimana dimaksud dalam Pasal 38;
 - Bukan merupakan Ciptaan yang tidak diketahui penciptanya sebagaimana dimaksud dalam Pasal 39;
 - Bukan merupakan hasil karya yang tidak dilindungi Hak Cipta sebagaimana dimaksud dalam Pasal 41 dan 42;
 - Bukan merupakan Ciptaan seni lukis yang berupa logo atau tanda pembeda yang digunakan sebagai merek dalam perdagangan barang/jasa atau digunakan sebagai lambang organisasi, badan usaha, atau badan hukum sebagaimana dimaksud dalam Pasal 65 dan;
 - Bukan merupakan Ciptaan yang melanggar norma agama, norma susila, ketertiban umum, pertahanan dan keamanan negara atau melanggar peraturan perundang-undangan sebagaimana dimaksud dalam Pasal 74 ayat (1) huruf d Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta.
2. Sebagai pemohon mempunyai kewajiban untuk menyimpan asli contoh ciptaan yang dimohonkan dan harus memberikan apabila dibutuhkan untuk kepentingan penyelesaian sengketa perdata maupun pidana sesuai dengan ketentuan perundang-undangan.
 3. Karya Cipta yang saya mohonkan pada Angka 1 tersebut di atas tidak pernah dan tidak sedang dalam sengketa pidana dan/atau perdata di Pengadilan.
 4. Dalam hal ketentuan sebagaimana dimaksud dalam Angka 1 dan Angka 3 tersebut di atas saya / kami langgar, maka saya / kami bersedia secara sukarela bahwa :
 - a. Permohonan karya cipta yang saya ajukan dianggap ditarik kembali; Karya Cipta yang telah terdaftar dalam Daftar Umum Ciptaan Direktorat Hak Cipta, Direktorat Jenderal Hak Kekayaan Intelektual, Kementerian Hukum Dan Hak Asasi Manusia R.I dihapuskan sesuai dengan ketentuan perundang-undangan yang berlaku.
 - b. Dalam hal kepemilikan Hak Cipta yang dimohonkan secara elektronik sedang dalam berperkara dan/atau sedang dalam gugatan di Pengadilan maka status kepemilikan surat pencatatan elektronik tersebut ditangguhkan menunggu putusan Pengadilan yang berkekuatan hukum tetap.

Demikian Surat pernyataan ini saya / kami buat dengan sebenarnya dan untuk dipergunakan sebagaimana mestinya.

Jakarta, 17 Januari 2020

Yang menyatakan,



(Dr. Hj. Hosizah, S.KM, M.KM.)



(Kori Puspita Ningsih, A.Md., S.KM., M.KM.)



(Sustin Farlinda, S.Kom., M.T.)



(Jerhi Wahyu Fernanda, S.Si., M.Si.)



(Syamsuriansyah, S.Pd., M.M.Kes)



(Eka Wilda Faida, S.KM, M.Kes)



(Angga Eko Pramono, A.Md., S.KM., M.P.H.)



(dr. Wisnaningsih Surjoseputro)



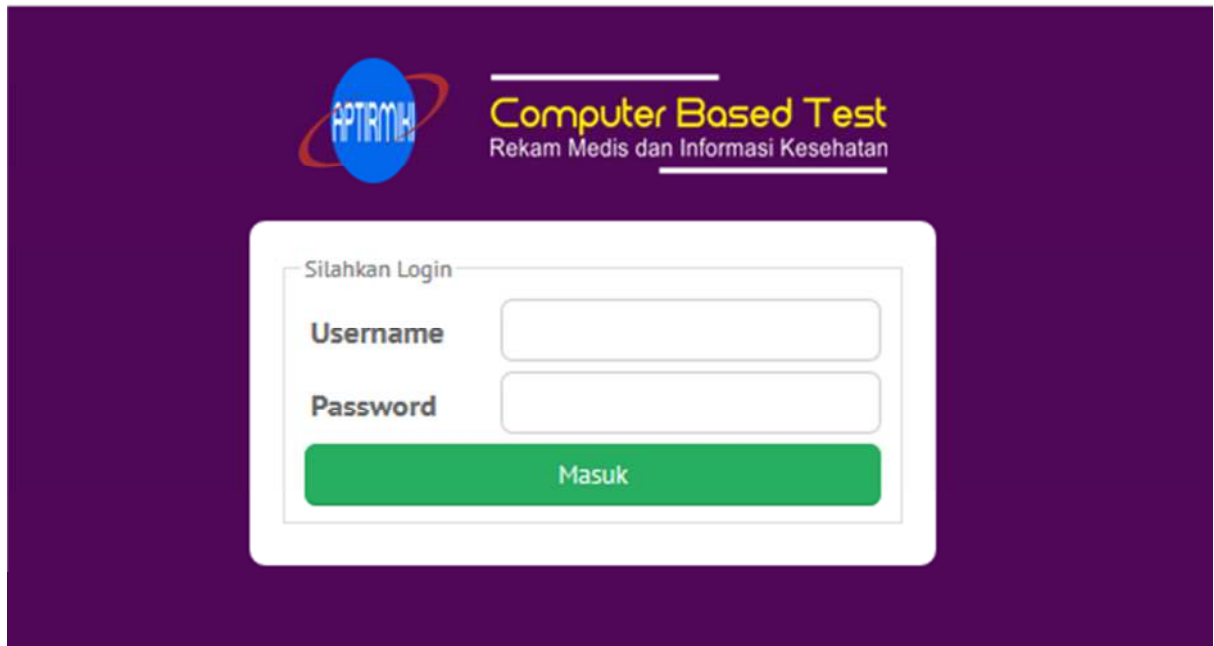
(Dr. Ida Sugiarti, S.Kep., Ners, M.H.Kes.)



(Rina Gunarti, S.KM, M.P.H.)

APLIKASI MANAJEMEN SOAL UJIAN TRY OUT PMIK
APTIRMIKI

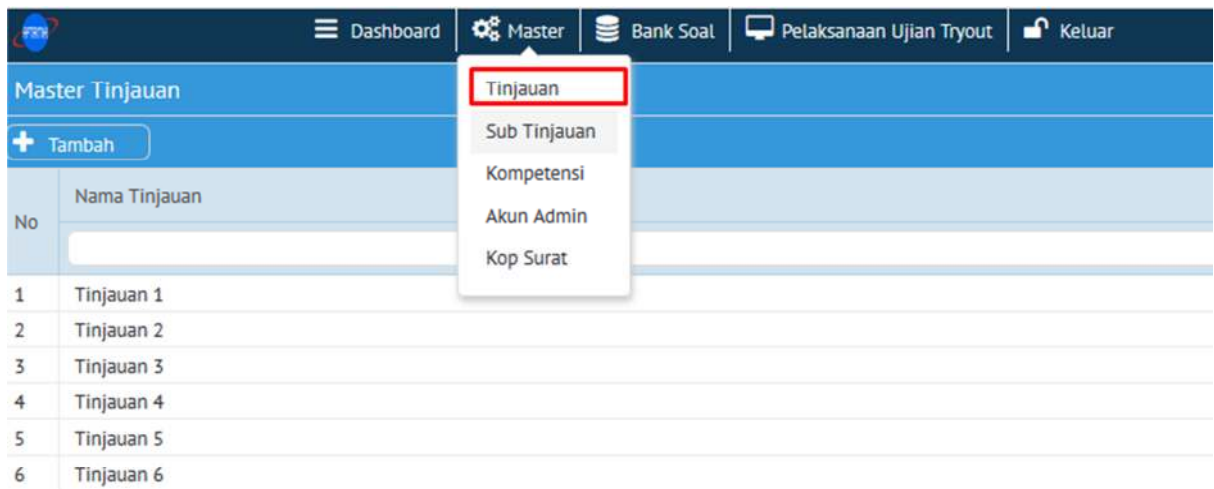
1. Login CBT



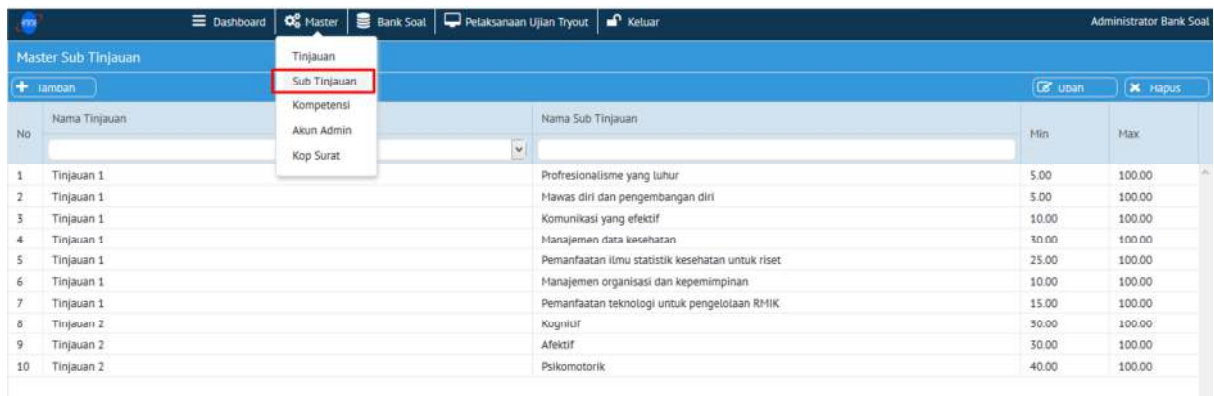
2. Halaman Awal



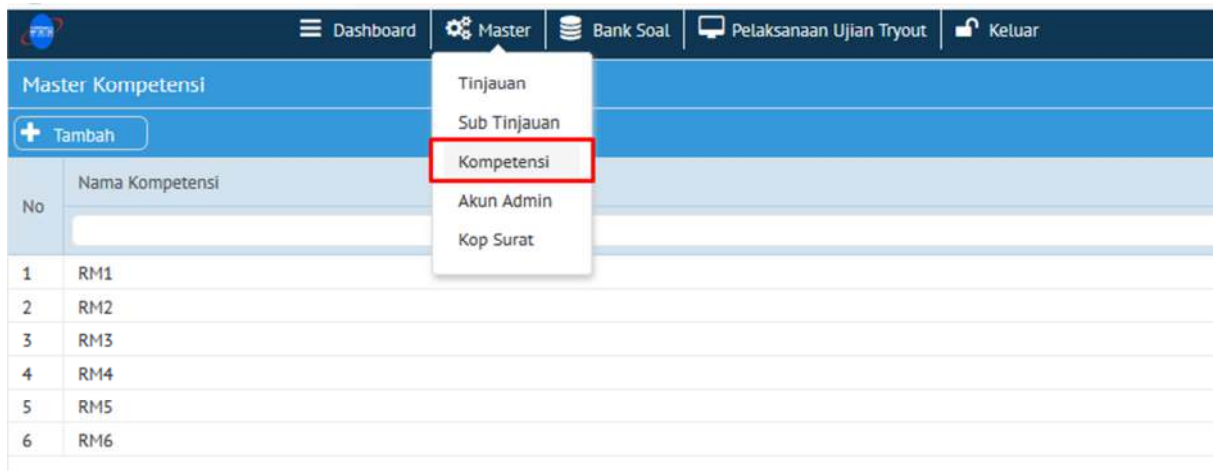
3. Master Tinjauan Soal



4. Master Sub Tinjauan



5. Master Kompetensi



6. Bank Soal Ujian

No	ID SOAL	Vignette	Pertanyaan
1	S180	Metode sistem angka akhir pada penjumlahan nomor RM dibagi menjadi 3 kelompok, yaitu digit primer, digit se	Kelompok digit manakah yang diberi kode warna?
2	S179	Petugas PMIK sedang melakukan penjumlahan 4 rekam medis 99-27-65, 01-28-65, 98-27-65 dan 00-28-65 den	Bagaimana urutan penjumlahan pada kasus tersebut?
3	S178	Petugas PMIK mendesain ulang formulir rekam medis rawat jalan rumah sakit. Formulir yang lama dan cont	Apakah fungsi manajemen yang diterapkan dalam kasus tersebut?
4	S177	Kepala rekam medis merencanakan pembelian rak baru di ruang filing. Untuk mendapatkan kenyamanan dal	Berapakah standar jarak yang dimaksud?
5	S176	Simbol Parenthesis pada I10, "Hypertension (arterial) (benign) (essential) (malignant) (primary) (systemic)" I1	Apakah makna dari simbol tersebut?
6	S175	Koder sedang menjalankan tugas pokoknya untuk menentukan kode penyakit pasien dari berkas rekam medi	Diagnosis yang manakah yang harus dikode sebagai diagnosis utama?
7	S174	Kepala rekam medis mendapat 5 petugas PMIK yang baru direkrut. Pada minggu pertama mereka diperkenal	Kegiatan apakah yang dilakukan pada kasus tersebut?
8	S173	Sebuah rumah sakit mendapat tuntutan dari seorang pasien yang diduga terdapat kesalahan dalam memberi	Apa syarat yang harus dipenuhi dalam kasus tersebut?
9	S172	Petugas PMIK sedang melakukan penjumlahan RM dengan urutan sebagai berikut 12-27-97, 12-27-98, 12-27-9	Apakah metode penjumlahan rekam medis tersebut?
10	S171	Seorang PMIK ditugaskan oleh atasannya untuk membuat grafik Barber Johnson tiap bulan di rumah sakit ter	Darimana data dasar tersebut dapat diperoleh?

7. Rekap soal berdasarkan tinjauan

No	Tinjauan 1	Tinjauan 2	Persentase	
			Capaian	%
1	Profesionalisme yang luhur	0	5.00	9
2	Mawas diri dan pengembangan diri	0	5.00	9
3	Komunikasi yang efektif	0	10.00	18
4	Manajemen data kesehatan	0	30.00	54
5	Pemanfaatan ilmu statistik kesehatan untuk riset	0	25.00	45
6	Manajemen organisasi dan kepemimpinan	0	10.00	18
7	Pemanfaatan teknologi untuk pengelolaan RMIK	0	15.00	27

8. Rekap Preview dan Penulis soal

Rekap Reviewer dan Penulis Soal

Refresh

- Manage Soal
- Rekap Soal
- Rekap Reviewer & Penulis**

Reviewer

No	Nama Reviewer	Jumlah
1	Lily Wijaya	115
2	Titin W (1), Lily Wijaya 2)	4
3	Jery & ugik	6
4	Lily Wijaya & kori	3
5	Poltekes Smg	1
6	none	16
7	Savitri & Lily Wijaya	5
8	R1 = Titin W, R2 = Lily W	7
9	Lily Widjaya	5
10	Lily widjaya	2
11	Savitri CB	6
12	Savitri & Lily W	6
13	R1 = Titin W, R2 = Lily W	4

```

1  <?php
2  use \Psr\Http\Message\ServerRequestInterface as Request;
3  use \Psr\Http\Message\ResponseInterface as Response;
4
5  include '../login_auth.php';
6  require '../config.php';
7  require '../vendor/autoload.php';
8
9  $appCBT = new Slim\App;
10
11 $appCBT->get('/ws/sopingi/jawaban/tampil/{ma}', 'tampil');
12 $appCBT->post('/ws/sopingi/jawaban/simpan/{ma}', 'simpan');
13 $appCBT->run();
14
15 function tampil(Request $request, Response $response) {
16     $id_peserta=$_SESSION['id_peserta'];
17     $ma = $request->getAttribute('ma');
18     if ($id_peserta==$ma) {
19         $sql = "select jawaban FROM sopingi_materi, sopingi_soal where
20             sopingi_soal.id_materi=sopingi_materi.id_materi";
21         try {
22             $db = koneksi();
23             $eksekusi = $db->query($sql);
24             $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
25             $sada = $eksekusi->rowCount();
26             $db = null;
27             $jumlah['jumlah']=$sada;
28             echo json_encode($sada);
29         } catch (PDOException $salah) {
30             echo '{"error":{"text":'. $salah->getMessage() .'}}';
31         }
32     }
33 }
34
35 function simpan(Request $request, Response $response) {
36     $id_peserta=$_SESSION['id_peserta'];
37     $ma = $request->getAttribute('ma');
38     if ($id_peserta==$ma) {
39         $data= json_decode($request->getBody());
40         $id_soal = $data->id_soal;
41         $jwb = $data->jwb;
42         $id_jawaban = $id_peserta.$id_soal;
43
44         $sqlCek = "select * from sopingi_jawaban where id_jawaban='$id_jawaban'";
45         try {
46             $db = koneksi();
47             $eksekusiCek = $db->query($sqlCek);
48             $sada = $eksekusiCek->rowCount();
49             $db = null;
50             if ($sada>0) {
51                 $sql = "update sopingi_jawaban set jawaban='$jwb' where
52                     id_jawaban='$id_jawaban' ";
53             } else {
54                 $sql = "insert into sopingi_jawaban
55                     values('$id_jawaban', '$id_soal', '$id_peserta', '$jwb') ";
56             }
57             try {
58                 $db = koneksi();
59                 $eksekusi = $db->query($sql);
60                 $db = null;
61                 $hasil['berhasil']=1;
62                 echo json_encode($hasil);
63             } catch (PDOException $salah) {
64                 echo '{"error":{"text":'. $salah->getMessage() .'}}';
65             }
66         } catch (PDOException $salah) {
67             echo '{"error":{"text":'. $salah->getMessage() .'}}';
68         }
69     }

```

70 }
71 }


```
1  <?php
2  use \Psr\Http\Message\ServerRequestInterface as Request;
3  use \Psr\Http\Message\ResponseInterface as Response;
4
5  include '../login_auth.php';
6  require '../config.php';
7  require '../koneksi.php';
8  require '../vendor/autoload.php';
9
10 $appCBT = new Slim\App;
11
12 $appCBT->get('/sopingi/laporan/tampil/{ma}', 'tampil');
13 $appCBT->run();
14
15 function tampil(Request $request, Response $response) {
16     $ma = $request->getAttribute('ma');
17     if ($ma!="") {
18         $sql = "select * FROM sopingi_rekap group by kdpti,kdpst";
19         try {
20             $db          = koneksi();
21             $eksekusi    = $db->query($sql);
22             $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
23             $db = null;
24             echo json_encode($hasil);
25         } catch (PDOException $salah) {
26             echo '{"error":{"text":"' . $salah->getMessage() . '}}';
27         }
28     }
29 }
30
```

```
1  <?php
2  use \Psr\Http\Message\ServerRequestInterface as Request;
3  use \Psr\Http\Message\ResponseInterface as Response;
4
5  include '../login_auth.php';
6  require '../config.php';
7  require '../vendor/autoload.php';
8
9  $appCBT = new Slim\App;
10
11 $appCBT->get('/ws/sopingi/peserta/tampil/{ma}', 'tampil');
12 $appCBT->run();
13
14 function tampil(Request $request, Response $response) {
15     $id_peserta=$_SESSION['id_peserta'];
16     $ma = $request->getAttribute('ma');
17     if ($id_peserta==$ma) {
18         $sql = "select id_peserta,id_periode, nama, sopingi_peserta.id_pt, nama_pt
19             FROM sopingi_peserta, sopingi_pt where id_peserta='$id_peserta' and
20             sopingi_pt.id_pt=sopingi_peserta.id_pt";
21         try {
22             $db = koneksi();
23             $eksekusi = $db->query($sql);
24             $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
25             $db = null;
26             echo json_encode($hasil);
27         } catch (PDOException $salah) {
28             echo '{"error":{"text":'. $salah->getMessage() .'}}';
29         }
30     }
31 }
```

```

1  <?php
2  use \Psr\Http\Message\ServerRequestInterface as Request;
3  use \Psr\Http\Message\ResponseInterface as Response;
4
5  include '../login_auth.php';
6  require '../config.php';
7  require '../vendor/autoload.php';
8
9  $appCBT = new Slim\App;
10
11 $appCBT->get('/ws/sopingi/peserta/tampil/{ma}', 'tampil');
12 $appCBT->post('/ws/sopingi/peserta/selesai/{ma}', 'selesai');
13 $appCBT->run();
14
15 function tampil(Request $request, Response $response) {
16     $id_peserta=$_SESSION['id_peserta'];
17     $ma = $request->getAttribute('ma');
18     if ($id_peserta==$ma) {
19         $sql = "select id_peserta,id_periode, nama, sopingi_peserta.id_pt, nama_pt
20             FROM sopingi_peserta, sopingi_pt where id_peserta='$id_peserta' and
21             sopingi_pt.id_pt=sopingi_peserta.id_pt";
22         try {
23             $db = koneksi();
24             $eksekusi = $db->query($sql);
25             $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
26             $db = null;
27             echo json_encode($hasil);
28         } catch (PDOException $salah) {
29             echo '{"error":{"text":' . $salah->getMessage() .'}}';
30         }
31     }
32 }
33
34 function selesai(Request $request, Response $response) {
35     $id_peserta=$_SESSION['id_peserta'];
36     $ma = $request->getAttribute('ma');
37     if ($id_peserta==$ma) {
38         $sql = "update sopingi_peserta set sudah_ujian='1' where
39             id_peserta='$id_peserta' ";
40         try {
41             $db = koneksi();
42             $eksekusi = $db->query($sql);
43             $db = null;
44             $hasil['berhasil']=1;
45             $hasil['pesan']="Anda sudah selesai ujian";
46             echo json_encode($hasil);
47         } catch (PDOException $salah) {
48             $hasil['berhasil']=0;
49             $hasil['pesan']=$salah->getMessage();
50             echo json_encode($hasil);
51         }
52     }
53 }

```

```
1  <?php
2  use \Psr\Http\Message\ServerRequestInterface as Request;
3  use \Psr\Http\Message\ResponseInterface as Response;
4
5  require '../config.php';
6  require '../vendor/autoload.php';
7
8  $appCBT = new Slim\App;
9
10 $appCBT->get('/ws/sopingi/pt/tampil/{ma}', 'tampil');
11 $appCBT->run();
12
13 function tampil(Request $request, Response $response) {
14     $ma = $request->getAttribute('ma');
15     if ($ma!="") {
16         $sql = "select * FROM sopingi_pt";
17         try {
18             $db          = koneksi();
19             $eksekusi    = $db->query($sql);
20             $hasil      = $eksekusi->fetchAll(PDO::FETCH_OBJ);
21             $db = null;
22             echo json_encode($hasil);
23         } catch (PDOException $salah) {
24             echo '{"error":{"text":"' . $salah->getMessage() . '}}';
25         }
26     }
27 }
28
```

```
1  <?php
2  use \Psr\Http\Message\ServerRequestInterface as Request;
3  use \Psr\Http\Message\ResponseInterface as Response;
4
5  include '../login_auth.php';
6  require '../config.php';
7  require '../vendor/autoload.php';
8
9  $appCBT = new Slim\App;
10
11 $appCBT->get('/ws/sopingi/soal/tampil/{ma}', 'tampil');
12 $appCBT->run();
13
14 function tampil(Request $request, Response $response) {
15     $id_peserta=$_SESSION['id_peserta'];
16     $ma = $request->getAttribute('ma');
17     if ($id_peserta==$ma) {
18         $sql = "select * FROM sopingi_materi, sopingi_soal where
19             sopingi_soal.id_materi=sopingi_materi.id_materi order by rand() asc limit
20             0,200";
21         try {
22             $db = koneksi();
23             $eksekusi = $db->query($sql);
24             $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
25             $db = null;
26             echo json_encode($hasil);
27         } catch (PDOException $salah) {
28             echo '{"error":{"text":'. $salah->getMessage() .'}}';
29         }
30     }
31 }
```

```
1  <?php
2  use \Psr\Http\Message\ServerRequestInterface as Request;
3  use \Psr\Http\Message\ResponseInterface as Response;
4
5  include '../login_auth.php';
6  require '../config.php';
7  require '../koneksi.php';
8  require '../vendor/autoload.php';
9
10 $appCBT = new Slim\App;
11
12 $appCBT->get('/sopingi/tinjauan/tampil/{ma}', 'tampil');
13 $appCBT->run();
14
15 function tampil(Request $request, Response $response) {
16     $ma = $request->getAttribute('ma');
17     if ($ma!="") {
18         $sql = "select * FROM sopingi_tinjauan";
19         try {
20             $db          = koneksi();
21             $eksekusi    = $db->query($sql);
22             $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
23             $db = null;
24             echo json_encode($hasil);
25         } catch (PDOException $salah) {
26             echo '{"error":{"text":"' . $salah->getMessage() . '}}';
27         }
28     }
29 }
30
```

```
1  <?php
2  include "login_auth.php";
3  use Slim\Views\PhpRenderer;
4
5  require '../config.php';
6  require '../vendor/autoload.php';
7
8  $appWsia = new Slim\App();
9
10 $appWsia->get('/', 'tampil');
11 $appWsia->run();
12
13
14 function tampil() {
15     $sql = "select * FROM sopingi_user ORDER BY user";
16     try {
17         $db          = koneksi();
18         $eksekusi    = $db->query($sql);
19         $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
20         $db = null;
21         echo json_encode($hasil);
22     } catch (PDOException $salah) {
23         echo '{"error":{"text":' . $salah->getMessage() . '}}';
24     }
25 }
26
```

```
1 <?php
2 use \Psr\Http\Message\ServerRequestInterface as Request;
3 use \Psr\Http\Message\ResponseInterface as Response;
4
5 include '../login_auth.php';
6 require '../config.php';
7 require '../vendor/autoload.php';
8
9 $appCBT = new Slim\App;
10
11 $appCBT->get('/ws/sopingi/waktu/tampil/{ma}', 'tampil');
12 $appCBT->run();
13
14 function tampil(Request $request, Response $response) {
15     $id_peserta=$_SESSION['id_peserta'];
16     $ma = $request->getAttribute('ma');
17     if ($id_peserta==$ma) {
18         $sql = "select waktu FROM sopingi_waktu";
19         try {
20             $db = koneksi();
21             $eksekusi = $db->query($sql);
22             $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
23             $db = null;
24             echo json_encode($hasil);
25         } catch (PDOException $salah) {
26             echo '{"error":{"text":"' . $salah->getMessage() . '}}';
27         }
28     }
29 }
30
```



```
1  <?php
2
3  ini_set('memory_limit', '-1');
4
5  define("DOMAIN", "http://".$_SERVER['HTTP_HOST']."");
6
7  define('ENCRYPTION_KEY',
8  substr(md5(DOMAIN).sha1(DOMAIN).md5("sopingi.com"),1,64));
9
10 /* VERSI 11.19
11 function cbt_encrypt($encrypt, $key){
12     $method = 'aes-256-cbc';
13     $secret = substr($key, 0, 32);
14     $iv = substr($secret, 0, 16);
15     $output = openssl_encrypt($encrypt, $method, $secret, 0, $iv);
16     return $output;
17 }
18
19 function cbt_decrypt($decrypt, $key){
20     $method = 'aes-256-cbc';
21     $secret = substr($key, 0, 32);
22     $iv = substr($secret, 0, 16);
23     $output = openssl_decrypt($decrypt, $method, $secret, 0, $iv);
24     return $output;
25 }
26 */
27
28 // Encrypt Function
29 function cbt_encrypt($encrypt, $key){
30     $encrypt = serialize($encrypt);
31     $iv = mcrypt_create_iv(mcrypt_get_iv_size(MCRYPT_RIJNDAEL_256,
32     MCRYPT_MODE_CBC), MCRYPT_DEV_URANDOM);
33     $key = pack('H*', $key);
34     $mac = hash_hmac('sha256', $encrypt, substr(bin2hex($key), -32));
35     $passcrypt = mcrypt_encrypt(MCRYPT_RIJNDAEL_256, $key, $encrypt.$mac,
36     MCRYPT_MODE_CBC, $iv);
37     $encoded = base64_encode($passcrypt).'|'.base64_encode($iv);
38     return $encoded;
39 }
40 // Decrypt Function
41 function cbt_decrypt($decrypt, $key){
42     $decrypt = explode('|', $decrypt.'|');
43     $decoded = base64_decode($decrypt[0]);
44     $iv = base64_decode($decrypt[1]);
45     if(strlen($iv)!=mcrypt_get_iv_size(MCRYPT_RIJNDAEL_256, MCRYPT_MODE_CBC)){
46     return false; }
47     $key = pack('H*', $key);
48     $decrypted = trim(mcrypt_decrypt(MCRYPT_RIJNDAEL_256, $key, $decoded,
49     MCRYPT_MODE_CBC, $iv));
50     $mac = substr($decrypted, -64);
51     $decrypted = substr($decrypted, 0, -64);
52     $calcmac = hash_hmac('sha256', $decrypted, substr(bin2hex($key), -32));
53     if($calcmac!=$mac){ return false; }
54     $decrypted = unserialize($decrypted);
55     return $decrypted;
56 }
57
58 ?>
```

```
1  <?php
2  function compress($source, $destination, $lebar, $quality) {
3      $info = getimagesize($source);
4      if ($info['mime'] == 'image/jpeg') $image = @imagecreatefromjpeg($source);
5      elseif ($info['mime'] == 'image/gif') $image = @imagecreatefromgif($source);
6      elseif ($info['mime'] == 'image/png') $image = @imagecreatefrompng($source);
7
8      $imageScale=@imagescale($image,$lebar);
9      $hasil=@imagejpeg($imageScale, $destination, $quality); return $hasil;
10 }
11 ?>
```

```

1  <?php
2  session_start();
3
4  use Slim\Views\PhpRenderer;
5  use \Psr\Http\Message\ServerRequestInterface as RequestData;
6  use \Psr\Http\Message\ResponseInterface as ResponseData;
7
8  require 'config.php';
9  require 'koneksi.php';
10 require 'vendor/autoload.php';
11
12 function clean($str) {
13     $str = @trim($str);
14     if(get_magic_quotes_gpc()) {
15         $str = stripslashes($str);
16     }
17     return addslashes($str, "'");
18 }
19
20 $configuration = [
21     'settings' => [
22         'displayErrorDetails' => true,
23     ],
24 ];
25 $c = new \Slim\Container($configuration);
26
27 $appCBT = new Slim\App;
28
29 $templateVariables = [
30     "judul" => "Computer Based Test"
31 ];
32
33 $container = $appCBT->getContainer();
34 $container['renderer'] = new PhpRenderer("./halaman", $templateVariables);
35
36 $appCBT->get('/login', function ($request, $response, $args) {
37     $param=array('domain'=>DOMAIN);
38     return $this->renderer->render($response, "/login.php", $param);
39 });
40
41
42 $appCBT->post('/login', function (RequestData $request) use ($appCBT) {
43     $data= json_decode($request->getBody());
44     $domain      = clean($data->domain);
45     $user        = clean($data->user);
46     $pass        = crypt(md5(clean($data->pass)), "$1$".$user);
47     $apass       = explode("$", $pass);
48     $vpass       = sha1($apass[3]);
49     //echo $vpass;
50     $epass       = md5($vpass);
51     $perintah = "select * from sopingi_admin where user='$user' and
52 md5(passw)='$epass' ";
53     try {
54         $db      = koneksi();
55         $qry     = $db->prepare($perintah);
56         $qry->execute();
57         $data    = $qry->fetchAll(PDO::FETCH_OBJ);
58         $sada    = $qry->rowCount();
59         $db      = null;
60
61         if ($sada>0) {
62             $hasil['berhasil']=1;
63             $hasil['pesan']="Berhasil Login";
64             $hasil['domain']=$domain;
65             $hasil['user']=$data[0]->user;
66             $hasil['cbtrand']=sha1($data[0]->user.rand(111,999)."sopingi.com");
67
68             session_regenerate_id();
69             $_SESSION['serverCBT'] = "servercbt".date('YmdHis').rand(111,999);
70             $_SESSION['host']="http://".$_SERVER['HTTP_HOST'];
71             session_write_close();

```

```

72         echo json_encode($hasil);
73     } else {
74         $hasil['berhasil']=0;
75         $hasil['pesan']="Username atau Password salah";
76         echo json_encode($hasil);
77     }
78
79     } catch (PDOException $salah) {
80         $hasil['berhasil']=0;
81         $hasil['pesan']=$salah->getMessage() ;
82         echo json_encode($hasil);
83     }
84
85 });
86
87 $appCBT->get('/logout', function ($request, $response, $args) {
88     unset($_SESSION['serverCBT']);
89     $host="http://".$_SERVER['HTTP_HOST'];
90     exit("<script>>window.location='".$host."/login';</script>");
91 });
92
93 $appCBT->get('/', function ($request, $response, $args) {
94     return $this->renderer->render($response, "/selamatdatang.php",$args);
95 });
96
97 $appCBT->get('/sopingi/{api}/{aksi}/{ma}', function ($request, $response, $args) {
98     $api = $request->getAttribute('api');
99     $aksi = $request->getAttribute('aksi');
100    $ma = $request->getAttribute('ma');
101    $param=array('aksi'=>$aksi,'ma'=>$ma);
102    return $this->renderer->render($response, "/api-".$api.".php",$param);
103 });
104
105 $appCBT->post('/sopingi/{api}/{aksi}/{ma}', function ($request, $response, $args) {
106     $api = $request->getAttribute('api');
107     $aksi = $request->getAttribute('aksi');
108     $ma = $request->getAttribute('ma');
109     $data= json_decode($request->getBody());
110     $param=array('aksi'=>$data->aksi,'ma'=>$ma,'data'=>$data);
111     return $this->renderer->render($response, "/api-".$api.".php",$param);
112 });
113
114 $appCBT->post('/uploader/{api}/{aksi}/{ma}', function ($request, $response, $args) {
115     $api = $request->getAttribute('api');
116     $aksi = $request->getAttribute('aksi');
117     $ma = $request->getAttribute('ma');
118     $param=array('aksi'=>$aksi,'ma'=>$ma);
119     return $this->renderer->render($response, "/api-".$api.".php",$param);
120 });
121
122 $appCBT->run();
123
124
125

```

```
1  <?php
2  date_default_timezone_set('Asia/Jakarta');
3
4  function koneksi() {
5      $dbhost="localhost";
6      $dbuser="aptirmik_ucbt";
7      $dbpass="pCBT-rml6";
8      $dbname="aptirmik_cbtodb";
9      $dbh = new PDO("mysql:host=$dbhost;dbname=$dbname", $dbuser, $dbpass, array(
10         PDO::ATTR_PERSISTENT => true ));
11     $dbh->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
12     return $dbh;
13 }
14
15 function koneksi_pt() {
16     $dbhost="localhost";
17     $dbuser="aptirmik_root";
18     //$dbpass="asdfghjkl";
19     $dbpass="pCBT-rml6";
20     $dbname="aptirmik_web";
21     $dbh = new PDO("mysql:host=$dbhost;dbname=$dbname", $dbuser, $dbpass, array(
22         PDO::ATTR_PERSISTENT => true ));
23     $dbh->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
24     return $dbh;
25 }
```

```
1 <?php
2 //session_start();
3 $host="http://".$_SERVER['HTTP_HOST']."";
4 //echo $host;
5 if(!isset($_SESSION['serverCBT']) || (trim($_SESSION['serverCBT']) == '')) {
6     exit("<script>window.location='".$_.$host."/login';</script>");
7 }
8 ?>
```

```
1 <?php
2     session_start();
3     unset($_SESSION['serverCBT']);
4     $host="http://".$_SERVER['HTTP_HOST'];
5     exit("<script>window.location='".$host."/#login.html';</script>");
6 ?>
```

```

1  <?php
2  include 'login_auth.php' ;
3
4  if ($aksi=="tampil") {
5      $sql = "select * FROM sopingi_admin" ;
6      try {
7          $db          = koneksi();
8          $eksekusi    = $db->query($sql);
9          $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
10         $db = null;
11         echo json_encode($hasil);
12     } catch (PDOException $salah) {
13         echo '{"error":{"text":'. $salah->getMessage() .'}}';
14     }
15 } else if ($aksi=="ubah") {
16     $user      = clean($data->user);
17     $pass      = crypt(md5(clean($data->pass)), "$1$".$user);
18     $apass     = explode("$", $pass);
19     $vpass     = sha1($apass[3]);
20     $epass     = md5($vpass);
21
22     $passBaru  = crypt(md5(clean($data->passBaru)), "$1$".$user);
23
24     $apassBaru = explode("$", $passBaru);
25     $vpassBaru = sha1($apassBaru[3]);
26     $epassBaru = md5($vpassBaru);
27
28     $sql = "update sopingi_admin set passw='$vpassBaru' where md5(passw)='$epass'
29     and user='$user'";
30     try {
31         $db          = koneksi();
32         $eksekusi    = $db->query($sql);
33         $db = null;
34         if($eksekusi->rowCount()>0) {
35             $hasil['berhasil']=1;
36             $hasil['pesan']="Berhasil Ubah";
37         } else {
38             $hasil['berhasil']=0;
39             $hasil['pesan']="Gagal Ubah. Password lama tidak sesuai";
40         }
41         echo json_encode($hasil);
42     } catch (PDOException $salah) {
43         $hasil['berhasil']=0;
44         $hasil['pesan']="Gagal Ubah. Kesalahan:<br>".$salah->getMessage();
45         echo json_encode($hasil);
46     }

```



```

1  <?php
2  set_time_limit(0);
3
4  $analisisHTML="<h1>ANALISIS SOAL UJI KOMPETENSI</h1>";
5
6  try {
7      $db          = koneksi();
8
9      $sqlJawaban  = "select * from sopingi_jawaban";
10     $exeJawaban   = $db->query($sqlJawaban);
11     $hasilJawaban = $exeJawaban->fetchAll(PDO::FETCH_OBJ);
12     $aNilai = array();
13     $aNilaiRelatif = array();
14     $aNilaiRelatif["A"]=0;
15     $aNilaiRelatif["B"]=0;
16     $aNilaiRelatif["C"]=0;
17     $aNilaiRelatif["D"]=0;
18     $aNilaiRelatif["E"]=0;
19     $index=0;
20     foreach ($hasilJawaban as $dataJawaban) {
21         $jawaban=json_decode($dataJawaban->jawaban);
22         $nilai=0;
23         $aNilai[$index]['id_peserta'] = $dataJawaban->id_peserta;
24         foreach ($jawaban as $itemJawaban) {
25             $aNilai[$index]['jwb'][$itemJawaban->i] = $itemJawaban->j;
26             $aNilai[$index]['koreksi'][$itemJawaban->i] = $itemJawaban->n;
27             $nilai += $itemJawaban->n;
28         }
29         $aNilai[$index]['nilai'] = $nilai;
30
31         if ($nilai>=75) {
32             $aNilai[$index]['relatif'] = "A";
33             $aNilaiRelatif["A"]++;
34         } elseif ($nilai>=65) {
35             $aNilai[$index]['relatif'] = "B";
36             $aNilaiRelatif["B"]++;
37         } elseif ($nilai>=55) {
38             $aNilai[$index]['relatif'] = "C";
39             $aNilaiRelatif["C"]++;
40         } elseif ($nilai>=45) {
41             $aNilai[$index]['relatif'] = "D";
42             $aNilaiRelatif["D"]++;
43         } else {
44             $aNilai[$index]['relatif'] = "E";
45             $aNilaiRelatif["E"]++;
46         }
47
48         $index++;
49     }
50
51     $HTMLNilaiRelatif="<table border='1'>";
52     $HTMLNilaiRelatif.="<tr bgcolor='#dcdade2'><th colspan='2' width='50'>Nilai
53     Relatif</th><th>Jml<br>Mhs</th></tr>";
54     $HTMLNilaiRelatif.="<tr><td colspan='2'>Nilai
55     A</td><td>". $aNilaiRelatif["A"] . "</td></tr>";
56     $HTMLNilaiRelatif.="<tr><td colspan='2'>Nilai
57     B</td><td>". $aNilaiRelatif["B"] . "</td></tr>";
58     $HTMLNilaiRelatif.="<tr><td colspan='2'>Nilai
59     C</td><td>". $aNilaiRelatif["C"] . "</td></tr>";
60     $HTMLNilaiRelatif.="<tr><td colspan='2'>Nilai
61     D</td><td>". $aNilaiRelatif["D"] . "</td></tr>";
62     $HTMLNilaiRelatif.="<tr><td colspan='2'>Nilai
63     E</td><td>". $aNilaiRelatif["E"] . "</td></tr>";
64     $HTMLNilaiRelatif.="</table>";
65
66     $analisisHTML.=$HTMLNilaiRelatif;
67
68     //NILAI RELATIF
69     /*
70     echo "<pre>";
71     print_r($aNilaiRelatif);
72     echo "</pre>";

```

```

67      */
68
69
70      //DATA SORT BY NILAI
71      /*
72      echo "SEBELUM DIURUTKAN<BR><pre>";
73      print_r($aNilai);
74      echo "</pre>";
75      */
76
77      $nilai = array();
78      foreach ($aNilai as $key => $baris) {
79          $nilai[$key] = $baris['nilai'];
80          //echo $baris['nilai'].",";
81      }
82      array_multisort($nilai, SORT_ASC, $aNilai);
83
84      /*
85      echo "SETELAH DIURUTKAN<BR><pre>";
86      print_r($aNilai);
87      echo "</pre>";
88      */
89
90      //ANALISIS BUTIR SOAL
91
92      //UBAH index to numerik
93      $aNilaiUrut = array_values($aNilai);
94      $jNilai=count($aNilaiUrut);
95      $jNilaiBagi2 = floor($jNilai/2);
96      //$jNilaiBagi2=80;
97
98      /*
99      echo "SETELAH DIUBAH INDEXNYA<BR><pre>";
100     print_r($aNilaiUrut);
101     echo "</pre>";
102     */
103
104     //untuk ambil index(id_soal)
105     $koreksi=$aNilaiUrut[0]['koreksi'];
106     $jSoal=count($koreksi);
107
108
109     //Kelompok Rendah
110     $jBenarRendah=array();
111     $aJwbRendah=array();
112     $aJmlJwbRendah = array();
113     $kelompokRendah= array();
114     $iSoal=1;
115     foreach ($koreksi as $key => $itemKoreksi) {
116         $jBenarRendah[$key]=0;
117         $aJmlJwbRendah[$key]["A"]=0;
118         $aJmlJwbRendah[$key]["B"]=0;
119         $aJmlJwbRendah[$key]["C"]=0;
120         $aJmlJwbRendah[$key]["D"]=0;
121         $aJmlJwbRendah[$key]["E"]=0;
122         $awal=0;
123         $akhir=$jNilaiBagi2;
124
125         //HEADER
126         if ($iSoal==1) {
127             $headerKelompokRendah="<tr bgcolor='#dcdae2'><th colspan='3'>KEL.
128             RENDAH</th><th rowspan='2'>". $key. "</th>";
129         } elseif ($iSoal==$jSoal) {
130             $headerKelompokRendah.="<th rowspan='2'>". $key. "</th></tr>";
131             $headerKelompokRendah.="<tr bgcolor='#dcdae2'><th
132             colspan='3'>No</th></tr>";
133         } else {
134             $headerKelompokRendah.="<th rowspan='2'>". $key. "</th>";
135         }
136
137         for ($iRendah=$awal;$iRendah<$akhir;$iRendah++) {
138             $jBenarRendah[$key]+=$aNilaiUrut[$iRendah]['koreksi'][$key];

```

```

137     $jwb = $NilaiUrut[$iRendah]['jwb'][$key];
138     $aJwbRendah[$iRendah][$key]=$jwb;
139     if ($jwb=="A") {
140         $aJmlJwbRendah[$key]["A"]++;
141     } elseif ($jwb=="B") {
142         $aJmlJwbRendah[$key]["B"]++;
143     } elseif ($jwb=="C") {
144         $aJmlJwbRendah[$key]["C"]++;
145     } elseif ($jwb=="D") {
146         $aJmlJwbRendah[$key]["D"]++;
147     } elseif ($jwb=="E") {
148         $aJmlJwbRendah[$key]["E"]++;
149     }
150
151     //ROW
152     if ($iSoal==1) {
153         $kelompokRendah[$iRendah][$key]="<tr><td colspan='3'
            align='right' valign='middle'>".($iRendah+1)."</td><td
            align='center' valign='middle'>". $jwb. "</td>>";
154     } elseif ($iSoal==$jSoal) {
155         $kelompokRendah[$iRendah][$key]="<td align='center'
            valign='middle'>". $jwb. "</td></tr>";
156     } else {
157         $kelompokRendah[$iRendah][$key]="<td align='center'
            valign='middle'>". $jwb. "</td>>";
158     }
159 }
160
161     $iSoal++;
162 }
163
164 /*
165 echo "BENAR RENDAH<BR><pre>";
166 print_r($jBenarRendah);
167 echo "</pre>";
168 */
169
170 $HTMLKelRendah="<br><table border='1'>";
171 $HTMLKelRendah.=$headerKelompokRendah."\n";
172 foreach ($kelompokRendah as $rowKelRendah) {
173     foreach($rowKelRendah as $colKelRendah) {
174         $HTMLKelRendah.=$colKelRendah;
175     }
176     $HTMLKelRendah.="\n";
177 }
178 $HTMLKelRendah."</table>";
179
180 $analisisHTML.= $HTMLKelRendah;
181
182 //Kelompok Tinggi
183 $jBenarTinggi=array();
184 $aJwbTinggi=array();
185 $aJmlJwbTinggi = array();
186 $kelompokTinggi= array();
187 $iSoal=1;
188 foreach ($koreksi as $key => $itemKoreksi) {
189     $jBenarTinggi[$key]=0;
190     $aJmlJwbTinggi[$key]["A"]=0;
191     $aJmlJwbTinggi[$key]["B"]=0;
192     $aJmlJwbTinggi[$key]["C"]=0;
193     $aJmlJwbTinggi[$key]["D"]=0;
194     $aJmlJwbTinggi[$key]["E"]=0;
195     $awal=$jNilai-1;
196     $akhir=$awal-$jNilaiBagi2;
197
198 //HEADER
199 if ($iSoal==1) {
200     $headerKelompokTinggi="<tr bgcolor='#dcdae2'><th colspan='3'>KEL.
        TINGGI</th><th rowspan='2'>". $key. "</th>>";
201 } elseif ($iSoal==$jSoal) {
202     $headerKelompokTinggi.="<th rowspan='2'>". $key. "</th></tr>";
203     $headerKelompokTinggi.="<tr bgcolor='#dcdae2'><th

```

```

        colspan='3'>No</th></tr>" ;
204     } else {
205         $headerKelompokTinggi.="<th rowspan='2'>". $key. "</th>" ;
206     }
207
208     for ($iTinggi=$awal;$iTinggi>$akhir;$iTinggi--) {
209         $jBenarTinggi[$key]+=$aNilaiUrut[$iTinggi]['koreksi'][$key];
210         $jwb = $aNilaiUrut[$iTinggi]['jwb'][$key];
211         $aJwbTinggi[$iTinggi][$key]=$jwb;
212         if ($jwb=="A") {
213             $aJmlJwbTinggi[$key]["A"]++;
214         } elseif ($jwb=="B") {
215             $aJmlJwbTinggi[$key]["B"]++;
216         } elseif ($jwb=="C") {
217             $aJmlJwbTinggi[$key]["C"]++;
218         } elseif ($jwb=="D") {
219             $aJmlJwbTinggi[$key]["D"]++;
220         } elseif ($jwb=="E") {
221             $aJmlJwbTinggi[$key]["E"]++;
222         }
223
224         //ROW
225         if ($iSoal==1) {
226             $kelompokTinggi[$iTinggi][$key]="<tr><td colspan='3'
                align='right' valign='middle'>". ($awal-$iTinggi+1). "</td><td
                align='center' valign='middle'>". $jwb. "</td>" ;
227         } elseif ($iSoal==$jSoal) {
228             $kelompokTinggi[$iTinggi][$key]="<td align='center'
                valign='middle'>". $jwb. "</td></tr>" ;
229         } else {
230             $kelompokTinggi[$iTinggi][$key]="<td align='center'
                valign='middle'>". $jwb. "</td>" ;
231         }
232     }
233 }
234 $iSoal++;
235 }
236
237 /*
238 echo "BENAR TINGGI<BR><pre>" ;
239 print_r($jBenarTinggi);
240 echo "</pre>" ;
241 */
242
243
244 $HTMLKelTinggi="<br><table border='1'>" ;
245 $HTMLKelTinggi.=$headerKelompokTinggi. "\n" ;
246 foreach ($kelompokTinggi as $rowKelTinggi) {
247     foreach ($rowKelTinggi as $colKelTinggi) {
248         $HTMLKelTinggi.=$colKelTinggi ;
249     }
250     $HTMLKelTinggi.="\n" ;
251 }
252 $HTMLKelTinggi.="</table>" ;
253
254 $analisisHTML.= $HTMLKelTinggi ;
255
256
257 //KUNCI SOAL --> PERLU DISESUAIKAN DENGAN TABEL ASLI
258 $HTMLKunciHeader="<tr bgcolor='#dcdade'><td colspan='3' rowspan='2'
    align='center' valign='middle'><b>KUNCI SOAL</b></td>" ;
259 $HTMLKunciRow="<tr>" ;
260 $jwbRendahA="<tr><td colspan='2' rowspan='5' align='center'
    valign='middle'><b>KEL. RENDAH</b></td><td align='center'
    valign='middle'>A</td>" ;
261 $jwbRendahB="<tr><td align='center' valign='middle'>B</td>" ;
262 $jwbRendahC="<tr><td align='center' valign='middle'>C</td>" ;
263 $jwbRendahD="<tr><td align='center' valign='middle'>D</td>" ;
264 $jwbRendahE="<tr><td align='center' valign='middle'>E</td>" ;
265
266 $jwbTinggiA="<tr><td colspan='2' rowspan='5' align='center'
    valign='middle'><b>KEL. TINGGI</b></td><td align='center'

```

```

valign='middle'>A</td>" ;
267 $jwbTinggiB="<tr><td align='center' valign='middle'>B</td>" ;
268 $jwbTinggiC="<tr><td align='center' valign='middle'>C</td>" ;
269 $jwbTinggiD="<tr><td align='center' valign='middle'>D</td>" ;
270 $jwbTinggiE="<tr><td align='center' valign='middle'>E</td>" ;
271
272 foreach ($koreksi as $key => $itemKoreksi) {
273     $sqlSoal         = "select * from sopingi_soal where id_soal='$key'";
274     $exeSoal         = $db->query($sqlSoal);
275     $hasilSoal       = $exeSoal->fetch(PDO::FETCH_OBJ);
276
277     $eKey=substr(shal(md5($key)).md5("sopingi.com"),1,64);
278     $asoal=json_decode(cbt_decrypt($hasilSoal->soal,$eKey),true);
279     $asoal['kunci'];
280
281     $HTMLKunciHeader.="<th>".$key."</th>";
282     $HTMLKunciRow    ="<td align='center' valign='middle'
283     bgcolor='#dcdae2'><b>".$asoal['kunci']."</b></td>";
284     $jwbRendahA     ="<td align='center'
285     valign='middle'>".$aJmlJwbRendah[$key]["A"]."</td>";
286     $jwbRendahB     ="<td align='center'
287     valign='middle'>".$aJmlJwbRendah[$key]["B"]."</td>";
288     $jwbRendahC     ="<td align='center'
289     valign='middle'>".$aJmlJwbRendah[$key]["C"]."</td>";
290     $jwbRendahD     ="<td align='center'
291     valign='middle'>".$aJmlJwbRendah[$key]["D"]."</td>";
292     $jwbRendahE     ="<td align='center'
293     valign='middle'>".$aJmlJwbRendah[$key]["E"]."</td>";
294
295     $jwbTinggiA      ="<td align='center'
296     valign='middle'>".$aJmlJwbTinggi[$key]["A"]."</td>";
297     $jwbTinggiB      ="<td align='center'
298     valign='middle'>".$aJmlJwbTinggi[$key]["B"]."</td>";
299     $jwbTinggiC      ="<td align='center'
300     valign='middle'>".$aJmlJwbTinggi[$key]["C"]."</td>";
301     $jwbTinggiD      ="<td align='center'
302     valign='middle'>".$aJmlJwbTinggi[$key]["D"]."</td>";
303     $jwbTinggiE      ="<td align='center'
304     valign='middle'>".$aJmlJwbTinggi[$key]["E"]."</td>";
305
306 }
307
308 $HTMLKunciHeader.="</tr>";
309 $HTMLKunciRow.="</tr>";
310
311 $jwbRendahA.="</tr>";
312 $jwbRendahB.="</tr>";
313 $jwbRendahC.="</tr>";
314 $jwbRendahD.="</tr>";
315 $jwbRendahE.="</tr>";
316
317 $jwbTinggiA.="</tr>";
318 $jwbTinggiB.="</tr>";
319 $jwbTinggiC.="</tr>";
320 $jwbTinggiD.="</tr>";
321 $jwbTinggiE.="</tr>";
322
323 $spasi="<tr><td colspan='3'></td>";
324 foreach ($koreksi as $key => $itemKoreksi) {
325     $spasi.="<td></td>";
326 }
327 $spasi.="</tr>";
328
329 $HTMLKunci="<br><table border='1'>";
330 $HTMLKunci.=$HTMLKunciHeader.$HTMLKunciRow;
331
332 $HTMLKunci.=$jwbRendahA.$jwbRendahB.$jwbRendahC.$jwbRendahD.$jwbRendahE.$spasi
333 ;
334 $HTMLKunci.=$jwbTinggiA.$jwbTinggiB.$jwbTinggiC.$jwbTinggiD.$jwbTinggiE;
335 $HTMLKunci.="</table>";
336
337 $analisisHTML.= $HTMLKunci;
338

```

```

325
326
327 //Tingkat Kesukaran
328 $aTingkatKesukaran=array();
329 $HTMLTingkatKesukaran="<br><table border='1'><tr><td colspan='3' rowspan='2'
align='center' valign='middle'><b>TINGKAT KESUKARAN</b></td>" ;
330 $HTMLTingkatKesukaranKet="<tr>" ;
331 foreach ($koreksi as $key => $itemKoreksi) {
332     if ($jNilaiBagi2!=0) {
333         $aTingkatKesukaran[$key]['nilai'] =
            ($jBenarTinggi[$key]+$jBenarRendah[$key])/(($jNilaiBagi2*2));
334     } else {
335         $aTingkatKesukaran[$key]['nilai'] = 0;
336     }
337
338     //IF(D198<=0,25;"Skr";IF(D198<=0,75;"Sdg";IF(D198<=1;"Mdh";"??")))
339     if ($aTingkatKesukaran[$key]['nilai']<=0.25) {
340         $aTingkatKesukaran[$key]['ket']="Sukar";
341     } elseif ($aTingkatKesukaran[$key]['nilai']<=0.75) {
342         $aTingkatKesukaran[$key]['ket']="Sedang";
343     } else {
344         $aTingkatKesukaran[$key]['ket']="Mudah";
345     }
346
347     $HTMLTingkatKesukaran.="<td
align='right'>".number_format($aTingkatKesukaran[$key]['nilai'],3)."</td>"
;
348     $HTMLTingkatKesukaranKet.="<td
align='center'>". $aTingkatKesukaran[$key]['ket'] . "</td>" ;
349 }
350
351 $HTMLTingkatKesukaran.="</tr>". $HTMLTingkatKesukaranKet . "</tr></table>" ;
352
353 $analisisHTML.= $HTMLTingkatKesukaran;
354
355 /*
356 echo "TINGKAT KESUKARAN<BR><pre>";
357 print_r($aTingkatKesukaran);
358 echo "</pre>";
359 */
360
361
362 //Daya Beda
363 $aDayaBeda=array();
364 $HTMLDayaBeda="<br><table border='1'><tr><td colspan='3' rowspan='2'
align='center' valign='middle'><b>DAYA BEDA</b></td>" ;
365 $HTMLDayaBedaKet="<tr>" ;
366 foreach ($koreksi as $key => $itemKoreksi) {
367     if ($jNilaiBagi2!=0) {
368         $aDayaBeda[$key]['nilai'] =
            ($jBenarTinggi[$key]-$jBenarRendah[$key])/$jNilaiBagi2;
369     } else {
370         $aDayaBeda[$key]['nilai'] = 0;
371     }
372
373     //IF(D200<=0,2;"Jlk";IF(D200<=0,29;"Lmh";IF(D200<=0,39;"Sdg";IF(D200>0,39
; "OK";"??")))
374     if ($aDayaBeda[$key]['nilai']<=0.2) {
375         $aDayaBeda[$key]['ket']="Jelek";
376     } elseif ($aDayaBeda[$key]['nilai']<=0.29) {
377         $aDayaBeda[$key]['ket']="Lemah";
378     } elseif ($aDayaBeda[$key]['nilai']<=0.39) {
379         $aDayaBeda[$key]['ket']="Sedang";
380     } else {
381         $aDayaBeda[$key]['ket']="OK";
382     }
383
384     $HTMLDayaBeda.="<td
align='right'>".number_format($aDayaBeda[$key]['nilai'],3)."</td>" ;
385     $HTMLDayaBedaKet.="<td align='center'>". $aDayaBeda[$key]['ket'] . "</td>" ;
386 }

```

```

387     $HTMLDayaBeda .= "</tr>". $HTMLDayaBedaKet. "</tr></table>";
388
389     $analisisHTML.= $HTMLDayaBeda;
390
391     /*
392     echo "DAYA BEDA<BR><pre>";
393     print_r($aDayaBeda);
394     echo "</pre>";
395     */
396
397     //Distraktor
398     $aDistraktor=array();
399     $HTMLDistraktor="<br><table border='1'><tr><td colspan='3' align='center'
400     valign='middle'><b>DISTRAKTOR</b></td>";
401     foreach ($koreksi as $key => $itemKoreksi) {
402
403         //IF(AND(D182=0;D190=0);"a";IF(AND(D183=0;D191=0);"b";IF(AND(D184=0;D192=
404         0);"c";IF(AND(D185=0;D193=0);"d";IF(AND(D186=0;D194=0);"e";"OK")))
405         if ( ($aJmlJwbTinggi[$key]["A"]==0) && ($aJmlJwbRendah[$key]["A"]==0) ) {
406             $aDistraktor[$key]="A";
407         } elseif ( ($aJmlJwbTinggi[$key]["B"]==0) &&
408         ($aJmlJwbRendah[$key]["B"]==0) ) {
409             $aDistraktor[$key]="B";
410         } elseif ( ($aJmlJwbTinggi[$key]["C"]==0) &&
411         ($aJmlJwbRendah[$key]["C"]==0) ) {
412             $aDistraktor[$key]="C";
413         } elseif ( ($aJmlJwbTinggi[$key]["D"]==0) &&
414         ($aJmlJwbRendah[$key]["D"]==0) ) {
415             $aDistraktor[$key]="D";
416         } elseif ( ($aJmlJwbTinggi[$key]["E"]==0) &&
417         ($aJmlJwbRendah[$key]["E"]==0) ) {
418             $aDistraktor[$key]="E";
419         } else {
420             $aDistraktor[$key]="OK";
421         }
422
423         $HTMLDistraktor.="<td align='center'>". $aDistraktor[$key]. "</td>";
424     }
425
426     $HTMLDistraktor.="</tr></table>";
427
428     $analisisHTML.= $HTMLDistraktor;
429
430     /*
431     echo "DISTRAKTOR<BR><pre>";
432     print_r($aDistraktor);
433     echo "</pre>";
434     */
435
436     //Bank Soal
437     $aBankSoal=array();
438     $HTMLBankSoal="<br><table border='1'><tr><td colspan='3' align='center'
439     valign='middle'><b>BANK SOAL</b></td>";
440     foreach ($koreksi as $key => $itemKoreksi) {
441
442         //IF(D203="Jlk";"OUT";IF(AND(D203="OK";D202="Sdg";D205="OK");"BNK";"CHK"
443         )
444         if ( $aDayaBeda[$key]['ket']=="Jelek" ) {
445             $aBankSoal[$key]="Buang";
446         } elseif ( ($aDayaBeda[$key]['ket']=="OK" ) &&
447         ($aTingkatKesukaran[$key]['ket']=="Sedang" ) &&
448         ($aDistraktor[$key]=="OK" ) ) {
449             $aBankSoal[$key]="Siap";
450         } else {
451             $aBankSoal[$key]="Cek";
452         }
453
454         $HTMLBankSoal.="<td align='center'>". $aBankSoal[$key]. "</td>";
455     }
456
457     $HTMLBankSoal.="</tr></table>";

```

```

447 $analisisHTML.= $HTMLBankSoal;
448
449 /*
450 echo "BANK SOAL<BR><pre>";
451 print_r($aBankSoal);
452 echo "</pre>";
453 */
454
455 //KESIMPULAN
456
457 $kesukaranSukar=0; $kesukaranSedang=0; $kesukaranMudah=0;
458 foreach ($aTingkatKesukaran as $tingkatKesukaran) {
459     if ($tingkatKesukaran['ket']=="Sukar") {
460         $kesukaranSukar++;
461     } elseif ($tingkatKesukaran['ket']=="Sedang") {
462         $kesukaranSedang++;
463     } elseif ($tingkatKesukaran['ket']=="Mudah") {
464         $kesukaranMudah++;
465     }
466 }
467
468 $HTMLKesimpulan="<h2>KESIMPULAN</h2><table border='1'>";
469 $HTMLKesimpulan.="<tr><td colspan='3'><b>TINGKAT KESUKARAN</b></td></tr>";
470 $HTMLKesimpulan.="<tr><td
471 colspan='2'>Sukar</td><td> . $kesukaranSukar. "</td></tr>";
472 $HTMLKesimpulan.="<tr><td
473 colspan='2'>Sedang</td><td> . $kesukaranSedang. "</td></tr>";
474 $HTMLKesimpulan.="<tr><td
475 colspan='2'>Mudah</td><td> . $kesukaranMudah. "</td></tr>";
476 $HTMLKesimpulan.="<tr><td
477 colspan='2'><b>Jumlah</b></td><td><b> . ($kesukaranSukar+$kesukaranSedang+$kesu
478 karanMudah). "</b></td></tr>";
479 $HTMLKesimpulan.="<tr><td colspan='3'>&nbsp;</td></tr>";
480
481 $interpretasiJelek=0; $interpretasiLemah=0; $interpretasiSedang=0;
482 $interpretasiOK=0;
483 foreach ($aDayaBeda as $dayaBeda) {
484     if ($dayaBeda['ket']=="Jelek") {
485         $interpretasiJelek++;
486     } elseif ($dayaBeda['ket']=="Lemah") {
487         $interpretasiLemah++;
488     } elseif ($dayaBeda['ket']=="Sedang") {
489         $interpretasiSedang++;
490     } elseif ($dayaBeda['ket']=="OK") {
491         $interpretasiOK++;
492     }
493 }
494
495 $HTMLKesimpulan.="<tr><td colspan='3'><b>INTERPRESTASI</b></td></tr>";
496 $HTMLKesimpulan.="<tr><td
497 colspan='2'>Jelek</td><td> . $interpretasiJelek. "</td></tr>";
498 $HTMLKesimpulan.="<tr><td
499 colspan='2'>Lemah</td><td> . $interpretasiLemah. "</td></tr>";
500 $HTMLKesimpulan.="<tr><td
501 colspan='2'>Sedang</td><td> . $interpretasiSedang. "</td></tr>";
502 $HTMLKesimpulan.="<tr><td
503 colspan='2'>OK</td><td> . $interpretasiOK. "</td></tr>";
504 $HTMLKesimpulan.="<tr><td
505 colspan='2'><b>Jumlah</b></td><td><b> . ($interpretasiJelek+$interpretasiLemah+
506 $interpretasiSedang+$interpretasiOK). "</b></td></tr>";
507 $HTMLKesimpulan.="<tr><td colspan='3'>&nbsp;</td></tr>";
508
509 $distraktorCek=0; $distraktorOK=0;
510 foreach ($aDistraktor as $distraktor) {
511     if ($distraktor=="OK") {
512         $distraktorOK++;
513     } else {
514         $distraktorCek++;
515     }
516 }
517
518 $HTMLKesimpulan.="<tr><td colspan='3'><b>DISTRAKTOR</b></td></tr>";

```



```

507     $HTMLKesimpulan.="<tr><td colspan='2'>OK</td><td>". $distraktorOK."</td></tr>";
508     $HTMLKesimpulan.="<tr><td
509     colspan='2'>CEK</td><td>". $distraktorCek."</td></tr>";
510     $HTMLKesimpulan.="<tr><td
511     colspan='2'><b>Jumlah</b></td><td><b>". ($distraktorOK+$distraktorCek)."</b></t
512     d></tr>";
513     $HTMLKesimpulan.="<tr><td colspan='3'>&nbsp;  </td></tr>";
514     $bankSoalSiap=0; $bankSoalCek=0; $bankSoalBuang=0;
515     foreach ($aBankSoal as $bankSoal) {
516         if ($bankSoal=="Siap") {
517             $bankSoalSiap++;
518         } elseif ($bankSoal=="Cek") {
519             $bankSoalCek++;
520         } elseif ($bankSoal=="Buang") {
521             $bankSoalBuang++;
522         }
523     }
524     $HTMLKesimpulan.="<tr><td colspan='3'><b>BANK SOAL</b></td></tr>";
525     $HTMLKesimpulan.="<tr><td colspan='2'>Siap</td><td>". $bankSoalSiap."</td></tr>";
526     $HTMLKesimpulan.="<tr><td colspan='2'>Cek</td><td>". $bankSoalCek."</td></tr>";
527     $HTMLKesimpulan.="<tr><td colspan='2'>Buang</td><td>". $bankSoalBuang."</td></tr>";
528     $HTMLKesimpulan.="<tr><td colspan='2'><b>Jumlah</b></td><td><b>". ($bankSoalSiap+$bankSoalCek+$bankSoalBu
529     ang)."</b></td></tr>";
530     $HTMLKesimpulan.="</table>";
531     $analisisHTML = $HTMLKesimpulan;
532
533     /** Include PHPExcel
534     require_once dirname(__FILE__) . '/../lib/excel/PHPExcel.php';
535
536     $fileTmp=tempnam(sys_get_temp_dir(),'html');
537     file_put_contents($fileTmp,utf8_decode($analisisHTML));
538
539     $objPHPExcel = new PHPExcel();
540
541     $excelHTMLReader = PHPExcel_IOFactory::createReader('HTML');
542     $excelHTMLReader->loadIntoExisting($fileTmp,$objPHPExcel);
543     $objPHPExcel->getActiveSheet()->setTitle('ANALISIS SOAL UKom');
544
545     unlink($fileTmp);
546     */
547
548
549     // Redirect output to a client's web browser (Excel2007)
550     header('Content-Type:
551     application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');
552     header('Content-Disposition: attachment;filename="Analisis-Soal-Ukom.xls"');
553     header('Cache-Control: max-age=0');
554     // If you're serving to IE 9, then the following may be needed
555     header('Cache-Control: max-age=1');
556
557     header('Last-Modified: '.gmdate('D, d M Y H:i:s').' GMT'); // always modified
558     header('Cache-Control: cache, must-revalidate'); // HTTP/1.1
559     header('Pragma: public'); // HTTP/1.0
560
561     /**
562     $objWriter = PHPExcel_IOFactory::createWriter($objPHPExcel, 'Excel2007');
563     $objWriter->save('php://output');
564     */
565
566     echo $analisisHTML;
567 } catch (PDOException $salah) {
568     exit($salah->getMessage());
569 }
570 ?>

```

```

1  <?php
2  ini_set('memory_limit', '-1');
3  //error_reporting(E_ALL);
4  //ini_set('display_errors', 1);
5
6  $analisisHTML="<h1>ANALISIS SOAL UJI KOMPETENSI</h1>";
7
8  try {
9      $db          = koneksi();
10
11     //ambil id_soal untuk soal tak terjawab
12     $sqlSoal     = "select id_soal from sopingi_soal";
13     $exeSoal     = $db->query($sqlSoal);
14     $hasilSoal  = $exeSoal->fetchAll(PDO::FETCH_OBJ);
15     $jSoalnya=$exeSoal->rowCount();
16
17     $sqlJawaban  = "select * from sopingi_jawaban";
18     $exeJawaban = $db->query($sqlJawaban);
19     $hasilJawaban = $exeJawaban->fetchAll(PDO::FETCH_OBJ);
20     $aNilai = array();
21     $aNilaiRelatif = array();
22     $aNilaiRelatif["A"]=0;
23     $aNilaiRelatif["B"]=0;
24     $aNilaiRelatif["C"]=0;
25     $aNilaiRelatif["D"]=0;
26     $aNilaiRelatif["E"]=0;
27     $index=0;
28     foreach ($hasilJawaban as $dataJawaban) {
29         $jawaban=json_decode($dataJawaban->jawaban);
30         $nilai=0;
31         $aNilai[$index]['id_peserta'] = $dataJawaban->id_peserta;
32
33         foreach ($jawaban as $key=> $itemJawaban) {
34             $aNilai[$index]['jwb'][$key] = $itemJawaban->j;
35             $aNilai[$index]['koreksi'][$key] = $itemJawaban->n;
36             $nilai += $itemJawaban->n;
37         }
38
39         //cek jawaban kosong
40         for ($s=0;$s<$jSoalnya;$s++) {
41             if (!array_key_exists( $hasilSoal[$s]->id_soal,
42                 $aNilai[$index]['jwb'] )) {
43                 $aNilai[$index]['jwb'][$hasilSoal[$s]->id_soal] = "";
44                 $aNilai[$index]['koreksi'][$hasilSoal[$s]->id_soal] = 0;
45             }
46
47             $aNilai[$index]['nilai'] = $nilai;
48
49             if ($nilai>=75) {
50                 $aNilai[$index]['relatif'] = "A";
51                 $aNilaiRelatif["A"]++;
52             } elseif ($nilai>=65) {
53                 $aNilai[$index]['relatif'] = "B";
54                 $aNilaiRelatif["B"]++;
55             } elseif ($nilai>=55) {
56                 $aNilai[$index]['relatif'] = "C";
57                 $aNilaiRelatif["C"]++;
58             } elseif ($nilai>=45) {
59                 $aNilai[$index]['relatif'] = "D";
60                 $aNilaiRelatif["D"]++;
61             } else {
62                 $aNilai[$index]['relatif'] = "E";
63                 $aNilaiRelatif["E"]++;
64             }
65
66             $index++;
67         }
68
69
70
71

```

```

72
73     $HTMLNilaiRelatif="




```

```

138      */
139
140
141      //Kelompok Rendah
142      $jBenarRendah=array();
143      $aJwbRendah=array();
144      $aJmlJwbRendah = array();
145      $kelompokRendah= array();
146      $iSoal=1;
147      foreach ($koreksi as $key => $itemKoreksi) {
148          $jBenarRendah[$key]=0;
149          $aJmlJwbRendah[$key][ "A" ]=0;
150              $aJmlJwbRendah[$key][ "B" ]=0;
151              $aJmlJwbRendah[$key][ "C" ]=0;
152              $aJmlJwbRendah[$key][ "D" ]=0;
153              $aJmlJwbRendah[$key][ "E" ]=0;
154          $awal=0;
155          $akhir=$jNilaiBagi2;
156
157          //HEADER
158          if ($iSoal==1) {
159              $headerKelompokRendah="<tr bgcolor='#dcdade2'><th
160                  colspan='3'>KEL. RENDAH</th><th rowspan='2'>". $key. "</th>";
161          } elseif ($iSoal==$jSoal) {
162              $headerKelompokRendah.="<th rowspan='2'>". $key. "</th></tr>";
163              $headerKelompokRendah.="<tr bgcolor='#dcdade2'><th
164                  colspan='3'>No</th></tr>";
165          } else {
166              $headerKelompokRendah.="<th rowspan='2'>". $key. "</th>";
167          }
168
169          for ($iRendah=$awal;$iRendah<$akhir;$iRendah++) {
170              $jBenarRendah[$key]+=$aNilaiUrut[$iRendah][ 'koreksi' ][$key];
171              $jwb = $aNilaiUrut[$iRendah][ 'jwb' ][$key];
172              $aJwbRendah[$iRendah][$key]=$jwb;
173              if ($jwb=="A") {
174                  $aJmlJwbRendah[$key][ "A" ]++;
175              } elseif ($jwb=="B") {
176                  $aJmlJwbRendah[$key][ "B" ]++;
177              } elseif ($jwb=="C") {
178                  $aJmlJwbRendah[$key][ "C" ]++;
179              } elseif ($jwb=="D") {
180                  $aJmlJwbRendah[$key][ "D" ]++;
181              } elseif ($jwb=="E") {
182                  $aJmlJwbRendah[$key][ "E" ]++;
183              }
184
185          //ROW
186          if ($iSoal==1) {
187              $kelompokRendah[$iRendah][$key]="<tr><td colspan='3'
188                  align='right' valign='middle'>". ($iRendah+1). "</td><td
189                  align='center' valign='middle'>". $jwb. "</td>";
190          } elseif ($iSoal==$jSoal) {
191              $kelompokRendah[$iRendah][$key]="<td align='center'
192                  valign='middle'>". $jwb. "</td></tr>";
193          } else {
194              $kelompokRendah[$iRendah][$key]="<td align='center'
195                  valign='middle'>". $jwb. "</td>";
196          }
197          $iSoal++;
198      }
199
200      /*
201      echo "BENAR RENDAH<BR><pre>";
202      print_r($jBenarRendah);
203      echo "</pre>";
204      */
205
206      $HTMLKelRendah="<br><table border='1'>";
207      $HTMLKelRendah.=$headerKelompokRendah. "\n";

```

```

204     foreach ($kelompokRendah as $rowKelRendah) {
205         foreach($rowKelRendah as $colKelRendah) {
206             $HTMLKelRendah .= $colKelRendah;
207         }
208         $HTMLKelRendah .= "\n";
209     }
210     $HTMLKelRendah .= "</table>";
211
212     $analisisHTML.= $HTMLKelRendah;
213
214     //Kelompok Tinggi
215     $jBenarTinggi=array();
216     $aJwbTinggi=array();
217     $aJmlJwbTinggi = array();
218     $kelompokTinggi= array();
219     $iSoal=1;
220     foreach ($koreksi as $key => $itemKoreksi) {
221         $jBenarTinggi[$key]=0;
222         $aJmlJwbTinggi[$key]["A"]=0;
223         $aJmlJwbTinggi[$key]["B"]=0;
224         $aJmlJwbTinggi[$key]["C"]=0;
225         $aJmlJwbTinggi[$key]["D"]=0;
226         $aJmlJwbTinggi[$key]["E"]=0;
227         $awal=$jNilai-1;
228         $akhir=$awal-$jNilaiBagi2;
229
230         //HEADER
231         if ($iSoal==1) {
232             $headerKelompokTinggi="<tr bgcolor='#dcdade2'><th colspan='3'>KEL.
                TINGGI</th><th rowspan='2'>". $key. "</th>";
233         } elseif ($iSoal==$jSoal) {
234             $headerKelompokTinggi.="<th rowspan='2'>". $key. "</th></tr>";
235             $headerKelompokTinggi.="<tr bgcolor='#dcdade2'><th
                colspan='3'>No</th></tr>";
236         } else {
237             $headerKelompokTinggi.="<th rowspan='2'>". $key. "</th>";
238         }
239
240         for ($iTinggi=$awal;$iTinggi>$akhir;$iTinggi--) {
241             $jBenarTinggi[$key]+=$aNilaiUrut[$iTinggi]['koreksi'][$key];
242             $jwb = $aNilaiUrut[$iTinggi]['jwb'][$key];
243             $aJwbTinggi[$iTinggi][$key]=$jwb;
244             if ($jwb=="A") {
245                 $aJmlJwbTinggi[$key]["A"]++;
246             } elseif ($jwb=="B") {
247                 $aJmlJwbTinggi[$key]["B"]++;
248             } elseif ($jwb=="C") {
249                 $aJmlJwbTinggi[$key]["C"]++;
250             } elseif ($jwb=="D") {
251                 $aJmlJwbTinggi[$key]["D"]++;
252             } elseif ($jwb=="E") {
253                 $aJmlJwbTinggi[$key]["E"]++;
254             }
255
256             //ROW
257             if ($iSoal==1) {
258                 $kelompokTinggi[$iTinggi][$key]="<tr><td colspan='3'
                align='right' valign='middle'>". ($awal-$iTinggi+1). "</td><td
                align='center' valign='middle'>". $jwb. "</td>";
259             } elseif ($iSoal==$jSoal) {
260                 $kelompokTinggi[$iTinggi][$key]="<td align='center'
                valign='middle'>". $jwb. "</td></tr>";
261             } else {
262                 $kelompokTinggi[$iTinggi][$key]="<td align='center'
                valign='middle'>". $jwb. "</td>";
263             }
264
265         }
266         $iSoal++;
267     }
268
269     /*

```

```

270     echo "BENAR TINGGI<BR><pre>" ;
271     print_r($jBenarTinggi);
272     echo "</pre>";
273     */
274
275
276     $HTMLKelTinggi="<br><table border='1'>" ;
277     $HTMLKelTinggi.=$headerKelompokTinggi."\n" ;
278     foreach ($kelompokTinggi as $rowKelTinggi) {
279         foreach($rowKelTinggi as $colKelTinggi) {
280             $HTMLKelTinggi.=$colKelTinggi;
281         }
282         $HTMLKelTinggi.="\n" ;
283     }
284     $HTMLKelTinggi.="</table>" ;
285
286     $analisisHTML.= $HTMLKelTinggi;
287
288
289     //KUNCI SOAL --> PERLU DISESUAIKAN DENGAN TABEL ASLI
290     $HTMLKunciHeader="<tr bgcolor='#dcdade2'><td colspan='3' rowspan='2'
align='center' valign='middle'><b>KUNCI SOAL</b></td>" ;
291     $HTMLKunciRow="<tr>" ;
292     $jwbRendahA="<tr><td colspan='2' rowspan='5' align='center'
valign='middle'><b>KEL. RENDAH</b></td><td align='center'
valign='middle'>A</td>" ;
293     $jwbRendahB="<tr><td align='center' valign='middle'>B</td>" ;
294     $jwbRendahC="<tr><td align='center' valign='middle'>C</td>" ;
295     $jwbRendahD="<tr><td align='center' valign='middle'>D</td>" ;
296     $jwbRendahE="<tr><td align='center' valign='middle'>E</td>" ;
297
298     $jwbTinggiA="<tr><td colspan='2' rowspan='5' align='center'
valign='middle'><b>KEL. TINGGI</b></td><td align='center'
valign='middle'>A</td>" ;
299     $jwbTinggiB="<tr><td align='center' valign='middle'>B</td>" ;
300     $jwbTinggiC="<tr><td align='center' valign='middle'>C</td>" ;
301     $jwbTinggiD="<tr><td align='center' valign='middle'>D</td>" ;
302     $jwbTinggiE="<tr><td align='center' valign='middle'>E</td>" ;
303
304     foreach ($koreksi as $key => $itemKoreksi) {
305         $sqlSoal      = "select * from sopingi_soal where id_soal='$key'" ;
306         $exeSoal      = $db->query($sqlSoal);
307         $hasilSoal    = $exeSoal->fetch(PDO::FETCH_OBJ);
308
309         if ($exeSoal->rowCount()>0) {
310             $eKey=substr(sha1(md5($key)).md5("sopingi.com"),1,64);
311             $asoal=json_decode(cbt_decrypt($hasilSoal->soal,$eKey),true);
312             $kunci=$asoal['kunci'];
313             //echo "<pre>";
314             //print_r($asoal);
315             //echo "</pre>";
316         } else {
317             $kunci="-" ;
318         }
319
320
321         $HTMLKunciHeader.="<th>".$key."</th>" ;
322         $HTMLKunciRow    .="<td align='center' valign='middle'
bgcolor='#dcdade2'><b>".$kunci."</b></td>" ;
323         $jwbRendahA      .="<td align='center'
valign='middle'>".$aJmlJwbRendah[$key][ "A" ]."</td>" ;
324         $jwbRendahB      .="<td align='center'
valign='middle'>".$aJmlJwbRendah[$key][ "B" ]."</td>" ;
325         $jwbRendahC      .="<td align='center'
valign='middle'>".$aJmlJwbRendah[$key][ "C" ]."</td>" ;
326         $jwbRendahD      .="<td align='center'
valign='middle'>".$aJmlJwbRendah[$key][ "D" ]."</td>" ;
327         $jwbRendahE      .="<td align='center'
valign='middle'>".$aJmlJwbRendah[$key][ "E" ]."</td>" ;
328
329         $jwbTinggiA      .="<td align='center'
valign='middle'>".$aJmlJwbTinggi[$key][ "A" ]."</td>" ;

```

```

330     $jwbTinggiB      .="<td align='center'
valign='middle'>". $AJmlJwbTinggi[$key][ "B" ]. "</td>";
331     $jwbTinggiC      .="<td align='center'
valign='middle'>". $AJmlJwbTinggi[$key][ "C" ]. "</td>";
332     $jwbTinggiD      .="<td align='center'
valign='middle'>". $AJmlJwbTinggi[$key][ "D" ]. "</td>";
333     $jwbTinggiE      .="<td align='center'
valign='middle'>". $AJmlJwbTinggi[$key][ "E" ]. "</td>";
334 }
335
336 $HTMLKunciHeader .="</tr>";
337 $HTMLKunciRow .="</tr>";
338
339 $jwbRendahA .="</tr>";
340 $jwbRendahB .="</tr>";
341 $jwbRendahC .="</tr>";
342 $jwbRendahD .="</tr>";
343 $jwbRendahE .="</tr>";
344
345 $jwbTinggiA .="</tr>";
346 $jwbTinggiB .="</tr>";
347 $jwbTinggiC .="</tr>";
348 $jwbTinggiD .="</tr>";
349 $jwbTinggiE .="</tr>";
350
351 $spasi="<tr><td colspan='3'></td>";
352 foreach ($koreksi as $key => $itemKoreksi) {
353     $spasi .="<td></td>";
354 }
355 $spasi .="</tr>";
356
357 $HTMLKunci="<br><table border='1'>";
358 $HTMLKunci .=$HTMLKunciHeader . $HTMLKunciRow;
359
360 $HTMLKunci .=$jwbRendahA . $jwbRendahB . $jwbRendahC . $jwbRendahD . $jwbRendahE . $spasi
;
361 $HTMLKunci .=$jwbTinggiA . $jwbTinggiB . $jwbTinggiC . $jwbTinggiD . $jwbTinggiE ;
362 $HTMLKunci .="</table>";
363
364 $analisisHTML .= $HTMLKunci ;
365
366
367 //Tingkat Kesukaran
368 $aTingkatKesukaran=array();
369 $HTMLTingkatKesukaran="<br><table border='1'><tr><td colspan='3' rowspan='2'
align='center' valign='middle'><b>TINGKAT KESUKARAN</b></td>";
370 $HTMLTingkatKesukaranKet="<tr>";
371 foreach ($koreksi as $key => $itemKoreksi) {
372     if ($jNilaiBagi2!=0) {
373         $aTingkatKesukaran[$key]['nilai'] =
($jBenarTinggi[$key]+$jBenarRendah[$key]) / ($jNilaiBagi2*2);
374     } else {
375         $aTingkatKesukaran[$key]['nilai'] = 0;
376     }
377
378     //IF(D198<=0,25;"Skr";IF(D198<=0,75;"Sdg";IF(D198<=1;"Mdh";"??)))
379     if ($aTingkatKesukaran[$key]['nilai']<=0.25) {
380         $aTingkatKesukaran[$key]['ket']="Sukar";
381     } elseif ($aTingkatKesukaran[$key]['nilai']<=0.75) {
382         $aTingkatKesukaran[$key]['ket']="Sedang";
383     } else {
384         $aTingkatKesukaran[$key]['ket']="Mudah";
385     }
386
387     $HTMLTingkatKesukaran .="<td
align='right'>". number_format($aTingkatKesukaran[$key]['nilai'],3). "</td>";
388     $HTMLTingkatKesukaranKet .="<td
align='center'>". $aTingkatKesukaran[$key]['ket'] . "</td>";
389 }
390 }

```

```

391     $HTMLTingkatKesukaran.="</tr>". $HTMLTingkatKesukaranKet."</tr></table>";
392
393     $analisisHTML.= $HTMLTingkatKesukaran;
394
395     /*
396     echo "TINGKAT KESUKARAN<BR><pre>";
397     print_r($aTingkatKesukaran);
398     echo "</pre>";
399     */
400
401
402     //Daya Beda
403     $aDayaBeda=array();
404     $HTMLDayaBeda="<br><table border='1'><tr><td colspan='3' rowspan='2'
405     align='center' valign='middle'><b>DAYA BEDA</b></td>";
406     $HTMLDayaBedaKet="<tr>";
407     foreach ($koreksi as $key => $itemKoreksi) {
408         if ($jNilaiBagi2!=0) {
409             $aDayaBeda[$key]['nilai'] =
410             ($jBenarTinggi[$key]-$jBenarRendah[$key])/ $jNilaiBagi2;
411         } else {
412             $aDayaBeda[$key]['nilai'] = 0;
413         }
414
415         //=IF(D200<=0,2;"Jlk";IF(D200<=0,29;"Lmh";IF(D200<=0,39;"Sdg";IF(D200>0,39
416         ;"OK";"??")))
417         if ($aDayaBeda[$key]['nilai']<=0.2) {
418             $aDayaBeda[$key]['ket']="Jelek";
419         } elseif ($aDayaBeda[$key]['nilai']<=0.29) {
420             $aDayaBeda[$key]['ket']="Lemah";
421         } elseif ($aDayaBeda[$key]['nilai']<=0.39) {
422             $aDayaBeda[$key]['ket']="Sedang";
423         } else {
424             $aDayaBeda[$key]['ket']="OK";
425         }
426
427         $HTMLDayaBeda.="<td
428         align='right'>". number_format($aDayaBeda[$key]['nilai'],3)."</td>";
429         $HTMLDayaBedaKet.="<td align='center'>". $aDayaBeda[$key]['ket']."</td>";
430     }
431
432     $HTMLDayaBeda.="</tr>". $HTMLDayaBedaKet."</tr></table>";
433
434     $analisisHTML.= $HTMLDayaBeda;
435
436     /*
437     echo "DAYA BEDA<BR><pre>";
438     print_r($aDayaBeda);
439     echo "</pre>";
440     */
441
442     //Distraktor
443     $aDistraktor=array();
444     $HTMLDistraktor="<br><table border='1'><tr><td colspan='3' align='center'
445     valign='middle'><b>DISTRAKTOR</b></td>";
446     foreach ($koreksi as $key => $itemKoreksi) {
447
448         //=IF(AND(D182=0;D190=0);"a";IF(AND(D183=0;D191=0);"b";IF(AND(D184=0;D192=
449         0);"c";IF(AND(D185=0;D193=0);"d";IF(AND(D186=0;D194=0);"e";"OK")))
450         if ( ($aJmlJwbTinggi[$key]["A"]==0) && ($aJmlJwbRendah[$key]["A"]==0) ) {
451             $aDistraktor[$key]="A";
452         } elseif ( ($aJmlJwbTinggi[$key]["B"]==0) &&
453         ($aJmlJwbRendah[$key]["B"]==0) ) {
454             $aDistraktor[$key]="B";
455         } elseif ( ($aJmlJwbTinggi[$key]["C"]==0) &&
456         ($aJmlJwbRendah[$key]["C"]==0) ) {
457             $aDistraktor[$key]="C";
458         } elseif ( ($aJmlJwbTinggi[$key]["D"]==0) &&
459         ($aJmlJwbRendah[$key]["D"]==0) ) {
460             $aDistraktor[$key]="D";
461         } elseif ( ($aJmlJwbTinggi[$key]["E"]==0) &&
462         ($aJmlJwbRendah[$key]["E"]==0) ) {

```



```

451         $aDistraktor[$key]="E" ;
452     } else {
453         $aDistraktor[$key]="OK" ;
454     }
455
456     $HTMLDistraktor.="<td align='center'>".$aDistraktor[$key]."</td>" ;
457 }
458
459 $HTMLDistraktor.="</tr></table>" ;
460
461 $analisisHTML.= $HTMLDistraktor ;
462
463 /*
464 echo "DISTRAKTOR<BR><pre>" ;
465 print_r($aDistraktor) ;
466 echo "</pre>" ;
467 */
468
469
470 //Bank Soal
471 $aBankSoal=array() ;
472 $HTMLBankSoal="<br><table border='1'><tr><td colspan='3' align='center'
valign='middle'><b>BANK SOAL</b></td>" ;
473 foreach ($koreksi as $key => $itemKoreksi) {
474
475     //IF(D203="Jlk" ; "OUT" ; IF(AND(D203="OK" ; D202="Sdg" ; D205="OK") ; "BNK" ; "CHK" )
476     )
477     if ($aDayaBeda[$key]['ket']=="Jelek") {
478         $aBankSoal[$key]="Buang" ;
479     } elseif ( ($aDayaBeda[$key]['ket']=="OK") &&
480 ($aTingkatKesukaran[$key]['ket']=="Sedang") &&
481 ($aDistraktor[$key]=="OK") ) {
482         $aBankSoal[$key]="Siap" ;
483     } else {
484         $aBankSoal[$key]="Cek" ;
485     }
486
487     $HTMLBankSoal.="<td align='center'>".$aBankSoal[$key]."</td>" ;
488 }
489
490 $HTMLBankSoal.="</tr></table>" ;
491 $analisisHTML.= $HTMLBankSoal ;
492
493 /*
494 echo "BANK SOAL<BR><pre>" ;
495 print_r($aBankSoal) ;
496 echo "</pre>" ;
497 */
498
499 //KESIMPULAN
500
501 $kesukaranSukar=0 ; $kesukaranSedang=0 ; $kesukaranMudah=0 ;
502 foreach ($aTingkatKesukaran as $tingkatKesukaran) {
503     if ($tingkatKesukaran['ket']=="Sukar") {
504         $kesukaranSukar++ ;
505     } elseif ($tingkatKesukaran['ket']=="Sedang") {
506         $kesukaranSedang++ ;
507     } elseif ($tingkatKesukaran['ket']=="Mudah") {
508         $kesukaranMudah++ ;
509     }
510 }
511
512 $HTMLKesimpulan="<h2>KESIMPULAN</h2><table border='1'>" ;
513 $HTMLKesimpulan.="<tr><td colspan='3'><b>TINGKAT KESUKARAN</b></td></tr>" ;
514 $HTMLKesimpulan.="<tr><td
colspan='2'>Sukar</td><td>".$kesukaranSukar."</td></tr>" ;
515 $HTMLKesimpulan.="<tr><td
colspan='2'>Sedang</td><td>".$kesukaranSedang."</td></tr>" ;
516 $HTMLKesimpulan.="<tr><td
colspan='2'>Mudah</td><td>".$kesukaranMudah."</td></tr>" ;
517 $HTMLKesimpulan.="<tr><td
colspan='2'><b>Jumlah</b></td><td><b>".($kesukaranSukar+$kesukaranSedang+$kesu

```

```

karanMudah). "</b></td></tr>" ;
514 $HTMLKesimpulan.="<tr><td colspan='3'>&nbsp;</td></tr>" ;
515
516 $interpretasiJelek=0; $interpretasiLemah=0; $interpretasiSedang=0;
$interpretasiOK=0;
517 foreach ($aDayaBeda as $dayaBeda) {
518     if ($dayaBeda['ket']=="Jelek") {
519         $interpretasiJelek++;
520     } elseif ($dayaBeda['ket']=="Lemah") {
521         $interpretasiLemah++;
522     } elseif ($dayaBeda['ket']=="Sedang") {
523         $interpretasiSedang++;
524     } elseif ($dayaBeda['ket']=="OK") {
525         $interpretasiOK++;
526     }
527 }
528
529 $HTMLKesimpulan.="<tr><td colspan='3'><b>INTERPRESTASI</b></td></tr>" ;
530 $HTMLKesimpulan.="<tr><td
colspan='2'>Jelek</td><td>".$interpretasiJelek."</td></tr>" ;
531 $HTMLKesimpulan.="<tr><td
colspan='2'>Lemah</td><td>".$interpretasiLemah."</td></tr>" ;
532 $HTMLKesimpulan.="<tr><td
colspan='2'>Sedang</td><td>".$interpretasiSedang."</td></tr>" ;
533 $HTMLKesimpulan.="<tr><td
colspan='2'>OK</td><td>".$interpretasiOK."</td></tr>" ;
534 $HTMLKesimpulan.="<tr><td
colspan='2'><b>Jumlah</b></td><td><b>".($interpretasiJelek+$interpretasiLemah+
$interpretasiSedang+$interpretasiOK)."</b></td></tr>" ;
535 $HTMLKesimpulan.="<tr><td colspan='3'>&nbsp;</td></tr>" ;
536
537 $distraktorCek=0; $distraktorOK=0;
538 foreach ($aDistraktor as $distraktor) {
539     if ($distraktor=="OK") {
540         $distraktorOK++;
541     } else {
542         $distraktorCek++;
543     }
544 }
545
546 $HTMLKesimpulan.="<tr><td colspan='3'><b>DISTRAKTOR</b></td></tr>" ;
547 $HTMLKesimpulan.="<tr><td colspan='2'>OK</td><td>".$distraktorOK."</td></tr>" ;
548 $HTMLKesimpulan.="<tr><td
colspan='2'>CEK</td><td>".$distraktorCek."</td></tr>" ;
549 $HTMLKesimpulan.="<tr><td
colspan='2'><b>Jumlah</b></td><td><b>".($distraktorOK+$distraktorCek)."</b></t
d></tr>" ;
550 $HTMLKesimpulan.="<tr><td colspan='3'>&nbsp;</td></tr>" ;
551
552 $bankSoalSiap=0; $bankSoalCek=0; $bankSoalBuang=0;
553 foreach ($aBankSoal as $bankSoal) {
554     if ($bankSoal=="Siap") {
555         $bankSoalSiap++;
556     } elseif ($bankSoal=="Cek") {
557         $bankSoalCek++;
558     } elseif ($bankSoal=="Buang") {
559         $bankSoalBuang++;
560     }
561 }
562
563 $HTMLKesimpulan.="<tr><td colspan='3'><b>BANK SOAL</b></td></tr>" ;
564 $HTMLKesimpulan.="<tr><td
colspan='2'>Siap</td><td>".$bankSoalSiap."</td></tr>" ;
565 $HTMLKesimpulan.="<tr><td colspan='2'>Cek</td><td>".$bankSoalCek."</td></tr>" ;
566 $HTMLKesimpulan.="<tr><td
colspan='2'>Buang</td><td>".$bankSoalBuang."</td></tr>" ;
567 $HTMLKesimpulan.="<tr><td
colspan='2'><b>Jumlah</b></td><td><b>".($bankSoalSiap+$bankSoalCek+$bankSoalBu
ang)."</b></td></tr>" ;
568 $HTMLKesimpulan.="</table>" ;
569
570 $analisisHTML.= $HTMLKesimpulan;

```

```
571
572
573
574
575 // Redirect output to a client's web browser (Excel2007)
576 header('Content-Type:
application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');
577 header('Content-Disposition: attachment;filename="Analisis-Soal-Ukom.xls"');
578 header('Cache-Control: max-age=0');
579 // If you're serving to IE 9, then the following may be needed
580 header('Cache-Control: max-age=1');
581
582 header('Last-Modified: '.gmdate('D, d M Y H:i:s').' GMT'); // always modified
583 header('Cache-Control: cache, must-revalidate'); // HTTP/1.1
584 header('Pragma: public'); // HTTP/1.0
585
586 echo $analysisHTML;
587
588
589 } catch (PDOException $salah) {
590     exit($salah->getMessage());
591 }
592 ?>
```

```

1  <?php
2  include 'login_auth.php';
3  include 'gambar.php';
4
5  function base64_encode_image ($filename=string,$filetype=string) {
6      if ($filename) {
7          $imgbinary = fread(fopen($filename, "r"), filesize($filename));
8          return 'data:image/' . $filetype . ';base64,' . base64_encode($imgbinary);
9      }
10 }
11
12 if ($aksi=="upload") {
13     $file = $_FILES['upload'];
14     $fileTypes = array('png','jpg','gif','PNG','JPG','GIF');
15     $fileParts = pathinfo($file["name"]);
16     if (in_array($fileParts['extension'],$fileTypes)) {
17         $destination = realpath('./gambar');
18         $filename = $destination."/kop.png";
19         // $hasil = move_uploaded_file($file["tmp_name"], $filename);
20         $hasil = compress($file["tmp_name"],$filename,680,75);
21         if ($hasil) {
22             $kopEncode=base64_encode_image($filename,'png');
23             $sql = "update sopingi_setting set nilai_setting=' $kopEncode' where
24                 id_setting='kop'";
25             try {
26                 $db = koneksi();
27                 $eksekusi = $db->query($sql);
28                 $db = null;
29                 if($eksekusi->rowCount(>0) {
30                     echo json_encode(array('status'=>'server'));
31                 } else {
32                     echo json_encode(array('status'=>'error'));
33                 }
34             } catch (PDOException $salah) {
35                 echo json_encode(array('status'=>'error'));
36             }
37         } else {
38             echo json_encode(array('status'=>'error'));
39         }
40     } else {
41         echo json_encode(array('status'=>'error'));
42     }
43 }
44
45 if ($aksi=="uploadJawaban") {
46     $file = $_FILES['upload'];
47     $fileTypes = array('png','jpeg','jpg','gif','PNG','JPG','GIF');
48     $fileParts = pathinfo($file["name"]);
49     if (in_array($fileParts['extension'],$fileTypes)) {
50         $destination = realpath('./gambar/jawaban');
51         $date = md5(date("ymdhis").rand());
52         $filename = $destination."/".$date.".jpg";
53
54         $hasil = compress($file["tmp_name"],$filename,400,75);
55
56         if($hasil) {
57             echo json_encode(array('status'=>'server'));
58         } else {
59             echo json_encode(array('status'=>'error'));
60         }
61     } else {
62         echo json_encode(array('status'=>'error'));
63     }
64 }
65 }

```

```

1  <?php
2  include 'login_auth.php';
3
4  if ($aksi=="tampil") {
5      $sql = "select * FROM sopingi_kompetensi";
6      try {
7          $db = koneksi();
8          $eksekusi = $db->query($sql);
9          $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
10         $db = null;
11         echo json_encode($hasil);
12     } catch (PDOException $salah) {
13         echo '{"error":{"text":'. $salah->getMessage() .'}}';
14     }
15 } else if ($aksi=="tambah") {
16     try {
17         $db = koneksi();
18         $sqlTerakhir = "select max(right(id_kompetensi,2)) as terakhir from
19         sopingi_kompetensi";
20         $eksTerakhir = $db->query($sqlTerakhir);
21         $hasilTerakhir = $eksTerakhir->fetch(PDO::FETCH_OBJ);
22
23         if ($hasilTerakhir->terakhir<9) {
24             $urut="0".($hasilTerakhir->terakhir+1);
25         } else {
26             $urut=($hasilTerakhir->terakhir+1);
27         }
28
29         $id_kompetensi="K".$urut;
30     } catch (PDOException $salah) {
31         $hasil['berhasil']=0;
32         $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
33         exit(json_encode($hasil));
34     }
35
36     $nama_kompetensi=$data->nama_kompetensi;
37     $sql = "insert into sopingi_kompetensi
38     values('$id_kompetensi','$nama_kompetensi')";
39     try {
40         $eksekusi = $db->query($sql);
41         $hasil['berhasil']=1;
42         $hasil['pesan']="Berhasil Simpan";
43         echo json_encode($hasil);
44         $db = null;
45     } catch (PDOException $salah) {
46         $hasil['berhasil']=0;
47         $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
48         echo json_encode($hasil);
49     }
50 } else if ($aksi=="ubah") {
51     $id_kompetensi=$data->id_kompetensi;
52     $nama_kompetensi=$data->nama_kompetensi;
53     $sql = "update sopingi_kompetensi set nama_kompetensi='$nama_kompetensi' where
54     id_kompetensi='$id_kompetensi'";
55     try {
56         $db = koneksi();
57         $eksekusi = $db->query($sql);
58         $db = null;
59         $hasil['berhasil']=1;
60         $hasil['pesan']="Berhasil Ubah";
61         echo json_encode($hasil);
62     } catch (PDOException $salah) {
63         $hasil['berhasil']=0;
64         $hasil['pesan']="Gagal Ubah. Kesalahan:<br>". $salah->getMessage();
65         echo json_encode($hasil);
66     }
67 } else if ($aksi=="hapus") {
68     $id_kompetensi=$data->id_kompetensi;
69     $nama_kompetensi=$data->nama_kompetensi;
70     $sql = "delete from sopingi_kompetensi where id_kompetensi='$id_kompetensi'";
71     try {
72         $db = koneksi();

```

```
70     $eksekusi = $db->query($sql);
71     $db = null;
72     $hasil['berhasil']=1;
73     $hasil['pesan']="Berhasil Hapus";
74     echo json_encode($hasil);
75 } catch (PDOException $salah) {
76     $hasil['berhasil']=0;
77     $hasil['pesan']="Gagal Hapus. Kesalahan:<br>" . $salah->getMessage();
78     echo json_encode($hasil);
79 }
80 }
```

```

1  <?php
2  include 'login_auth.php';
3  include 'gambar.php';
4
5  function base64_encode_image ($filename=string,$filetype=string) {
6      if ($filename) {
7          $imgbinary = fread(fopen($filename, "r"), filesize($filename));
8          return 'data:image/' . $filetype . ';base64,' . base64_encode($imgbinary);
9      }
10 }
11
12 if ($aksi=="upload") {
13     $file = $_FILES['upload'];
14     $fileTypes = array('png','jpg','gif','PNG','JPG','GIF');
15     $fileParts = pathinfo($file["name"]);
16     if (in_array($fileParts['extension'],$fileTypes)) {
17         $destination = realpath('./gambar');
18         $filename = $destination."/kop.png";
19         // $hasil = move_uploaded_file($file["tmp_name"], $filename);
20         $hasil = compress($file["tmp_name"],$filename,680,75);
21         if ($hasil) {
22             $kopEncode=base64_encode_image($filename,'png');
23             $sql = "update sopingi_setting set nilai_setting=' $kopEncode' where
24                 id_setting='kop'";
25             try {
26                 $db = koneksi();
27                 $eksekusi = $db->query($sql);
28                 $db = null;
29                 if($eksekusi->rowCount(>0) {
30                     echo json_encode(array('status'=>'server'));
31                 } else {
32                     echo json_encode(array('status'=>'error'));
33                 }
34             } catch (PDOException $salah) {
35                 echo json_encode(array('status'=>'error'));
36             }
37         } else {
38             echo json_encode(array('status'=>'error'));
39         }
40     } else {
41         echo json_encode(array('status'=>'error'));
42     }
43 }
44
45 if ($aksi=="uploadJawaban") {
46     $file = $_FILES['upload'];
47     $fileTypes = array('png','jpeg','jpg','gif','PNG','JPG','GIF');
48     $fileParts = pathinfo($file["name"]);
49     if (in_array($fileParts['extension'],$fileTypes)) {
50         $destination = realpath('./gambar/jawaban');
51         $date = md5(date("ymdhis").rand());
52         $filename = $destination."/".$date.".jpg";
53
54         $hasil = compress($file["tmp_name"],$filename,400,75);
55
56         if($hasil) {
57             echo json_encode(array('status'=>'server'));
58         } else {
59             echo json_encode(array('status'=>'error'));
60         }
61     } else {
62         echo json_encode(array('status'=>'error'));
63     }
64 }
65 }

```

```

1  <?php
2  include 'login_auth.php';
3
4  if ($aksi=="tampil") {
5      $sql = "select * FROM sopingi_kompetensi";
6      try {
7          $db = koneksi();
8          $eksekusi = $db->query($sql);
9          $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
10         $db = null;
11         echo json_encode($hasil);
12     } catch (PDOException $salah) {
13         echo '{"error":{"text":'. $salah->getMessage() .'}}';
14     }
15 } else if ($aksi=="tambah") {
16     try {
17         $db = koneksi();
18         $sqlTerakhir = "select max(right(id_kompetensi,2)) as terakhir from
19         sopingi_kompetensi";
20         $eksTerakhir = $db->query($sqlTerakhir);
21         $hasilTerakhir = $eksTerakhir->fetch(PDO::FETCH_OBJ);
22
23         if ($hasilTerakhir->terakhir<9) {
24             $urut="0".($hasilTerakhir->terakhir+1);
25         } else {
26             $urut=($hasilTerakhir->terakhir+1);
27         }
28
29         $id_kompetensi="K".$urut;
30     } catch (PDOException $salah) {
31         $hasil['berhasil']=0;
32         $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
33         exit(json_encode($hasil));
34     }
35
36     $nama_kompetensi=$data->nama_kompetensi;
37     $sql = "insert into sopingi_kompetensi
38     values('$id_kompetensi','$nama_kompetensi')";
39     try {
40         $eksekusi = $db->query($sql);
41         $hasil['berhasil']=1;
42         $hasil['pesan']="Berhasil Simpan";
43         echo json_encode($hasil);
44         $db = null;
45     } catch (PDOException $salah) {
46         $hasil['berhasil']=0;
47         $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
48         echo json_encode($hasil);
49     }
50 } else if ($aksi=="ubah") {
51     $id_kompetensi=$data->id_kompetensi;
52     $nama_kompetensi=$data->nama_kompetensi;
53     $sql = "update sopingi_kompetensi set nama_kompetensi='$nama_kompetensi' where
54     id_kompetensi='$id_kompetensi'";
55     try {
56         $db = koneksi();
57         $eksekusi = $db->query($sql);
58         $db = null;
59         $hasil['berhasil']=1;
60         $hasil['pesan']="Berhasil Ubah";
61         echo json_encode($hasil);
62     } catch (PDOException $salah) {
63         $hasil['berhasil']=0;
64         $hasil['pesan']="Gagal Ubah. Kesalahan:<br>". $salah->getMessage();
65         echo json_encode($hasil);
66     }
67 } else if ($aksi=="hapus") {
68     $id_kompetensi=$data->id_kompetensi;
69     $nama_kompetensi=$data->nama_kompetensi;
70     $sql = "delete from sopingi_kompetensi where id_kompetensi='$id_kompetensi'";
71     try {
72         $db = koneksi();

```



```
70     $eksekusi = $db->query($sql);
71     $db = null;
72     $hasil['berhasil']=1;
73     $hasil['pesan']="Berhasil Hapus";
74     echo json_encode($hasil);
75 } catch (PDOException $salah) {
76     $hasil['berhasil']=0;
77     $hasil['pesan']="Gagal Hapus. Kesalahan:<br>".$salah->getMessage();
78     echo json_encode($hasil);
79 }
80 }
```

```
1 <?php
2 include 'login_auth.php';
3
4 if ($aksi=="tampil") {
5     $sql = "select * FROM sopingi_rekap group by kdpti,kdpst";
6     try {
7         $db = koneksi();
8         $eksekusi = $db->query($sql);
9         $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
10        $db = null;
11        echo json_encode($hasil);
12    } catch (PDOException $salah) {
13        echo '{"error":{"text":'. $salah->getMessage() .'}}';
14    }
15 }
```

```

1  <?php
2  if ($aksi=="rekappdf") {
3      include 'login_auth.php';
4      include "lib/pdf/mpdf.php";
5      include "lib/tgl.php";
6
7      $sama=explode("|",$ma);
8      $kdpti=$sama[0];
9      $kdpst=$sama[1];
10
11     $sqlKop = "select * FROM sopingi_setting where id_setting='kop'";
12     try {
13         $db = koneksi();
14         $eksekusi = $db->query($sqlKop);
15         $hasilKop = $eksekusi->fetchAll(PDO::FETCH_OBJ);
16         $db = null;
17         $setting=$hasilKop[0]->nilai_setting;
18
19         $dataURI = $setting;
20         $dataPieces = explode(',',$dataURI);
21         $encodedImg = $dataPieces[1];
22         $decodedImg = base64_decode($encodedImg);
23
24         if( $decodedImg!==false ) {
25             if( file_put_contents('gambar/koppdf.png',$decodedImg)!==false ) {
26                 $kop='gambar/koppdf.png';
27             } else {
28                 $kop='gambar/tanpakop.png';
29             }
30         } else {
31             $kop='gambar/tanpakop.png';
32         }
33
34     } catch (PDOException $salah) {
35         exit('{"error":{"text":'. $salah->getMessage() .'}}');
36     }
37
38     $sql = "select * FROM sopingi_rekap where kdpti='$kdpti' and kdpst='$kdpst'";
39     try {
40         $db = koneksi();
41         $eksekusi = $db->query($sql);
42         $hasilPt = $eksekusi->fetchAll(PDO::FETCH_OBJ);
43         $db = null;
44     } catch (PDOException $salah) {
45         exit('{"error":{"text":'. $salah->getMessage() .'}}');
46     }
47
48     $laporan=new mPDF('-s','A4');
49     $laporan->SetHTMLHeader("<div class='header'><img src='". $kop. "' height='120'
width='720'></div>");
50     // $laporan->setHTMLFooter('Hal:{PAGE NO} dari {nbpg}');
51     $laporan->AddPage('P','',5,5,5,40,5,5); //? kiri kanan atas bawah
52     $stylesheet = file_get_contents('lib/pdf/rekapsoal.css');
53     $laporan->WriteHTML($stylesheet,1);
54     // $laporan->SetDisplayMode('fullpage');
55
56
57     //rekap
58     $sqlRekap = "select * FROM sopingi_rekap where kdpti='$kdpti' and kdpst='$kdpst'
order by nim asc";
59     try {
60         $db = koneksi();
61         $eksekusi = $db->query($sqlRekap);
62         $hasilRekap = $eksekusi->fetchAll(PDO::FETCH_OBJ);
63         $db = null;
64     } catch (PDOException $salah) {
65         exit('{"error":{"text":'. $salah->getMessage() .'}}');
66     }
67
68     $isi="<h1 class='judul'><u>LAPORAN REKAP NILAI</u></h1><p
class='judul'>". $hasilPt[0]->nama_prodi. "<br>". $hasilPt[0]->nama_pt. "</p>";
69

```

```

70 $isi.="<br><table border='1' cellpadding='3' cellspacing='0' width='95%'
align='center' class='laporan' repeat_header='1'>
71 <thead>
72 <tr class='headerrow'>
73 <th align='center' valign='middle' rowspan='2' width='8'>No</th>
74 <th align='center' valign='middle' rowspan='2' width='150'>No
Ujian</th>
75 <th align='center' valign='middle' rowspan='2'>NIM</th>
76 <th align='center' valign='middle' rowspan='2'>Nama</th>
77 <th align='center' valign='middle' colspan='2'>Juml. Jawaban</th>
78 <th align='center' valign='middle' rowspan='2' width='80'>Nilai</th>
79 </tr>
80 <tr class='headerrow'>
81 <th align='center' width='20'>Benar</th>
82 <th align='center' width='20'>Salah</th>
83 </tr>
84 </thead>
85 <tbody>
86 ";
87
88 $no=0;
89 foreach($hasilRekap as $itemRekap) {
90 $no++;
91 $isi.="<tr>
92 <td align='center'>".$no."</td>
93 <td align='center'>".$itemRekap->id_peserta."</td>
94 <td align='left'>".$itemRekap->nim."</td>
95 <td align='left'>".$itemRekap->nama."</td>
96 <td align='center'>".$itemRekap->benar."</td>
97 <td align='center'>".$itemRekap->salah."</td>
98 <td align='center'>".$itemRekap->nilai."</td>
99 </tr>";
100 }
101
102 $isi.="</tbody></table><br><br>
103 <table width='50%' align='right' class='surat'>
104 <tr>
105 <td align='center' valign='top'>_____, ".$tanggal."<br>
106 Panitia,<br>
107 <br>
108 <br>
109 <br>
110 _____</td>
111 </tr>
112 </table>
113 ";
114
115 $laporan->WriteHTML($isi);
116 //echo $kop;
117 //echo $isi;
118 $laporan->Output("Rekap Nilai
".$hasilPt[0]->nama_prodi."-".$hasilPt[0]->nama_pt.".pdf","D");
119 }

```

```

1  <?php
2  include 'login_auth.php';
3
4  if ($aksi=="reviewer") {
5      $sql = "select * FROM sopingi_soal";
6      try {
7          $db          = koneksi();
8          $eksekusi    = $db->query($sql);
9          $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
10         $db = null;
11
12         $areviewer=array();
13
14         //pendataan reviewer
15         foreach ($hasil as $itemHasil) {
16             $reviewer=json_decode($itemHasil->reviewer,true);
17             foreach($reviewer as $itemReviewer) {
18                 $areviewer[$itemReviewer]['jumlah']=0;
19             }
20         }
21
22         //hitung jumlah soal
23         foreach ($hasil as $itemHasil) {
24             $reviewer=json_decode($itemHasil->reviewer,true);
25             foreach($reviewer as $itemReviewer) {
26                 $areviewer[$itemReviewer]['nama']=$itemReviewer;
27                 $areviewer[$itemReviewer]['jumlah']++;
28             }
29         }
30         $ahasil=array_values($areviewer);
31         echo json_encode($ahasil);
32     } catch (PDOException $salah) {
33         echo '{"error":{"text":'. $salah->getMessage() .'}}';
34     }
35 } else if ($aksi=="penulis") {
36     $sql = "select * FROM sopingi_soal";
37     try {
38         $db          = koneksi();
39         $eksekusi    = $db->query($sql);
40         $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
41         $db = null;
42
43         $apenulis=array();
44
45         //pendataan penulis
46         foreach ($hasil as $itemHasil) {
47             $penulis=json_decode($itemHasil->penulis,true);
48             foreach($penulis as $itempenulis) {
49                 $apenulis[$itempenulis]['jumlah']=0;
50             }
51         }
52
53         //hitung jumlah soal
54         foreach ($hasil as $itemHasil) {
55             $penulis=json_decode($itemHasil->penulis,true);
56             foreach($penulis as $itempenulis) {
57                 $apenulis[$itempenulis]['nama']=$itempenulis;
58                 $apenulis[$itempenulis]['jumlah']++;
59             }
60         }
61         $ahasil=array_values($apenulis);
62         echo json_encode($ahasil);
63     } catch (PDOException $salah) {
64         echo '{"error":{"text":'. $salah->getMessage() .'}}';
65     }
66 }

```

```

1  <?php
2  include 'login_auth.php';
3
4  if ($aksi=="tinjauan") {
5      $sql = "select * FROM sopingi_tinjauan";
6      try {
7          $db = koneksi();
8          $eksekusi = $db->query($sql);
9          $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
10         $db = null;
11         $jhasil = count($hasil);
12         $ahasil=array();
13         for ($i=0;$i<$jhasil;$i++) {
14
15             $ahasil[$i]=['id'=>$hasil[$i]->id_tinjauan,'value'=>$hasil[$i]->nama_tinja
16             uan];
17         }
18         echo json_encode($ahasil);
19     } catch (PDOException $salah) {
20         echo '{"error":{"text":'. $salah->getMessage() .'}}';
21     }
22 } else if ($aksi=="rekap") {
23     $id_tinjauan=$ma;
24     //soal
25     $sqlSoal = "select * FROM sopingi_soal order by id_soal desc";
26     try {
27         $db = koneksi();
28         $eksekusi = $db->query($sqlSoal);
29         $hasilSoal = $eksekusi->fetchAll(PDO::FETCH_OBJ);
30         $db = null;
31         $ahasil=array();
32         $i=0;
33     } catch (PDOException $salah) {
34         exit('{"error":{"text":'. $salah->getMessage() .'}}');
35     }
36
37     $sql = "select * FROM sopingi_subtinjauan where
38     sopingi_subtinjauan.id_tinjauan='$id_tinjauan'";
39     try {
40         $db = koneksi();
41         $eksekusi = $db->query($sql);
42         $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
43         $db = null;
44         $ahasil=array();
45         $index=0;
46         foreach ($hasil as $itemHasil) {
47             $index++;
48             $itemHasil->index=$index;
49             $itemHasil->jumlah=number_format(($itemHasil->prosen_min/100)*180,0);
50             $capaian=0;
51             foreach ($hasilSoal as $hasil) {
52                 $tinjauan=json_decode($hasil->tinjauan,true);
53                 foreach ($tinjauan as $itemTinjauan) {
54                     if ($itemHasil->id_subtinjauan==$itemTinjauan) {
55                         $capaian++;
56                     }
57                 }
58             }
59             $itemHasil->capaian=$capaian;
60             $ahasil[]=$itemHasil;
61         }
62         echo json_encode($ahasil);
63     } catch (PDOException $salah) {
64         echo '{"error":{"text":'. $salah->getMessage() .'}}';
65     }
66 }

```

```

1  <?php
2  if ($aksi=="rekappdf") {
3      include 'login_auth.php';
4      include "lib/pdf/mpdf.php";
5
6      $sqlKop = "select * FROM sopingi_setting where id_setting='kop'";
7      try {
8          $db = koneksi();
9          $eksekusi = $db->query($sqlKop);
10         $hasilKop = $eksekusi->fetchAll(PDO::FETCH_OBJ);
11         $db = null;
12         $setting=$hasilKop[0]->nilai_setting;
13
14         $dataURI = $setting;
15         $dataPieces = explode('',$dataURI);
16         $encodedImg = $dataPieces[1];
17         $decodedImg = base64_decode($encodedImg);
18
19         if( $decodedImg!==false ) {
20             if( file_put_contents('gambar/koppdf.png',$decodedImg)!==false ) {
21                 $kop='gambar/koppdf.png';
22             } else {
23                 $kop='gambar/tanpakop.png';
24             }
25         } else {
26             $kop='gambar/tanpakop.png';
27         }
28
29     } catch (PDOException $salah) {
30         exit('{"error":{"text":'. $salah->getMessage() .'}}');
31     }
32
33     $laporan=new mPDF('-s','A4');
34     $laporan->SetHTMLHeader("<div class='header'><img src='".$kop."' height='100'
width='680'></div>");
35     // $laporan->setHTMLFooter('Hal:{PAGENO} dari {nbpg}');
36     $laporan->AddPage('P','',5,5,5,40,5,5); //? kiri kanan atas bawah
37     $stylesheet = file_get_contents('lib/pdf/rekapsoal.css');
38     $laporan->WriteHTML($stylesheet,1);
39     // $laporan->SetDisplayMode('fullpage');
40
41     //tinjauan
42     $sqlTinjauan = "select * FROM sopingi_tinjauan";
43     try {
44         $db = koneksi();
45         $eksekusi = $db->query($sqlTinjauan);
46         $hasilTinjauan = $eksekusi->fetchAll(PDO::FETCH_OBJ);
47         $db = null;
48     } catch (PDOException $salah) {
49         exit('{"error":{"text":'. $salah->getMessage() .'}}');
50     }
51
52     //soal
53     $sqlSoal = "select * FROM sopingi_soal order by id_soal desc";
54     try {
55         $db = koneksi();
56         $eksekusi = $db->query($sqlSoal);
57         $hasilSoal = $eksekusi->fetchAll(PDO::FETCH_OBJ);
58         $db = null;
59     } catch (PDOException $salah) {
60         exit('{"error":{"text":'. $salah->getMessage() .'}}');
61     }
62
63     $isi="<h1 class='judul'>LAPORAN REKAP SOAL</h1>";
64     foreach($hasilTinjauan as $itemTinjauan) {
65         $id_tinjauan=$itemTinjauan->id_tinjauan;
66         $nama_tinjauan=$itemTinjauan->nama_tinjauan;
67         $sql = "select * FROM sopingi_subtinjauan where
sopingi_subtinjauan.id_tinjauan='".$id_tinjauan'";
68         try {
69             $db = koneksi();
70             $eksekusi = $db->query($sql);

```

```

71     $hasil      = $eksekusi->fetchAll(PDO::FETCH_OBJ);
72     $db = null;
73     $ahasil=array();
74     $index=0;
75     $isi.="<br><table border='1' cellpadding='5' cellspacing='0'>
76         <tr class='headerrow'>
77             <th align='center' rowspan='3' width='8'>No</th>
78             <th align='center' rowspan='2'
79                 width='400'>". $nama_tinjauan. "</th>
80             <th align='center' rowspan='3' width='20'>Capaian</th>
81             <th align='center' colspan='2' width='25'>Prosentase</th>
82         </tr>
83         <tr class='headerrow'>
84             <th align='center' rowspan='2' width='10'>%</th>
85             <th align='center' rowspan='2' width='15'>Jumlah</th>
86         </tr>
87         <tr class='headerrow'>
88             <th align='left'>Sub Tinjauan</th>
89         </tr>" ;
90     foreach ($hasil as $itemHasil) {
91         $index++;
92         $itemHasil->index=$index;
93         $itemHasil->jumlah=number_format(($itemHasil->prosen_min/100)*180,0);
94         $capaian=0;
95         foreach ($hasilSoal as $hasil) {
96             $subtinjauan=json_decode($hasil->tinjauan,true);
97             foreach ($subtinjauan as $itemSubTinjauan) {
98                 if ($itemHasil->id_subtinjauan==$itemSubTinjauan) {
99                     $capaian++;
100                 }
101             }
102         }
103         $itemHasil->capaian=$capaian;
104         $isi.="<tr>
105             <td align='center'>". $itemHasil->index. "</td>
106             <td>". $itemHasil->nama_subtinjauan. "</td>
107             <td align='center'>". $itemHasil->capaian. "</td>
108             <td align='right'>". $itemHasil->prosen_min. "</td>
109             <td align='center'>". $itemHasil->jumlah. "</td>
110         </tr>" ;
111     }
112     $isi.="</table>" ;
113 } catch (PDOException $salah) {
114     exit('{"error":{"text":'. $salah->getMessage() .'}'}');
115 }
116 }
117
118 $laporan->WriteHTML($isi);
119 //echo $kop;
120 //echo $isi;
121 $laporan->Output('rekap_bank_soal.pdf','D');
122
123
124 }
```



```

1  <?php
2  include 'login_auth.php';
3
4  if ($aksi=="tampil") {
5      $sql = "select * FROM sopingi_soal order by id_soal desc";
6      try {
7          $db = koneksi();
8          $eksekusi = $db->query($sql);
9          $hasilSoal = $eksekusi->fetchAll(PDO::FETCH_OBJ);
10         $db = null;
11         $ahasil=array();
12         $i=0;
13         foreach ($hasilSoal as $hasil) {
14             $id_soal=$hasil->id_soal;
15             $ahasil[$i]['id_soal']=$id_soal;
16             $eKey=substr(sha1(md5($id_soal)).md5("sopingi.com"),1,64);
17             $asoal=json_decode(cbt_decrypt($hasil->soal,$eKey),true);
18             $ahasil[$i]['vignette']=$asoal['vignette'];
19             $ahasil[$i]['vignette2']=strip_tags($asoal['vignette']);
20             $ahasil[$i]['pertanyaan']=$asoal['pertanyaan'];
21             $ahasil[$i]['kunci']=$asoal['kunci'];
22             $ajawaban=json_decode(cbt_decrypt($hasil->jawaban,$eKey),true);
23             $ahasil[$i]['jawaban_a']=$ajawaban['A'];
24             $ahasil[$i]['jawaban_b']=$ajawaban['B'];
25             $ahasil[$i]['jawaban_c']=$ajawaban['C'];
26             $ahasil[$i]['jawaban_d']=$ajawaban['D'];
27             $ahasil[$i]['jawaban_e']=$ajawaban['E'];
28             $tinjauan=json_decode($hasil->tinjauan,true);
29             foreach ($tinjauan as $key => $itemTinjauan) {
30                 $ahasil[$i][$key]=$itemTinjauan;
31             }
32             $id_kompetensi=json_decode($hasil->kompetensi,true);
33             $kompetensi="";
34             foreach ($id_kompetensi as $itemKompetensi) {
35                 $kompetensi.=$itemKompetensi.", ";
36             }
37             $kompetensi=trim($kompetensi,", ");
38             $ahasil[$i]['kompetensi']=$kompetensi;
39
40             $apenulis=json_decode($hasil->penulis,true);
41             $penulis="";
42             foreach ($apenulis as $itemPenulis) {
43                 $penulis.=$itemPenulis.", ";
44             }
45             $penulis=trim($penulis,", ");
46             $ahasil[$i]['penulis']=$penulis;
47
48             $areviewer=json_decode($hasil->reviewer,true);
49             $reviewer="";
50             foreach ($areviewer as $itemreviewer) {
51                 $reviewer.=$itemreviewer.", ";
52             }
53             $reviewer=trim($reviewer,", ");
54             $ahasil[$i]['reviewer']=$reviewer;
55             $ahasil[$i]['referensi']=$hasil->referensi;
56
57             $i++;
58         }
59         echo json_encode($ahasil);
60     } catch (PDOException $salah) {
61         echo '{"error":{"text":'. $salah->getMessage() .'}}';
62     }
63 } else if ($aksi=="tambah") {
64
65     try {
66         $db = koneksi();
67         $sqlTerakhir = "select max(right(id_soal,3)) as terakhir from
68         sopingi_soal";
69         $eksTerakhir = $db->query($sqlTerakhir);
70         $hasilTerakhir = $eksTerakhir->fetch(PDO::FETCH_OBJ);
71
72         if ($hasilTerakhir->terakhir<9) {

```

```

72     $surut="00".($hasilTerakhir->terakhir+1);
73 } elseif ($hasilTerakhir->terakhir<99) {
74     $surut="0".($hasilTerakhir->terakhir+1);
75 } else {
76     $surut=($hasilTerakhir->terakhir+1);
77 }
78
79     $id_soal="S".$surut;
80 } catch (PDOException $salah) {
81     $hasil['berhasil']=0;
82     $hasil['pesan']="Gagal Simpan. Kesalahan:<br>".$salah->getMessage();
83     exit(json_encode($hasil));
84 }
85
86 $eKey=substr(sha1(md5($id_soal)).md5("sopingi.com"),1,64);
87 $soal['vignette']=$data->vignette;
88 $soal['pertanyaan']=$data->pertanyaan;
89 $soal['kunci']=$data->kunci;
90 $asoa=cbt_encrypt(json_encode($soal),$eKey);
91 $jawaban['A']=$data->jawaban_a;
92 $jawaban['B']=$data->jawaban_b;
93 $jawaban['C']=$data->jawaban_c;
94 $jawaban['D']=$data->jawaban_d;
95 $jawaban['E']=$data->jawaban_e;
96 $ajawaban=cbt_encrypt(json_encode($jawaban),$eKey);
97 $adata=(array) $data;
98 $tinjauan=array();
99 //print_r($adata);
100 foreach ($adata as $key => $itemdata) {
101     if (substr($key,0,1)=="T") {
102         $tinjauan[$key]=$itemdata;
103     }
104 }
105 $atinjauan=json_encode($tinjauan);
106
107 $kompetensi=explode(",",$data->kompetensi);
108 $akompetensi=json_encode($kompetensi);
109
110 $jsonPenulis=json_encode(explode(";", $data->penulis));
111 $jsonReviewer=json_encode(explode(";", $data->reviewer));
112 $referensi=$data->referensi;
113
114 $sql = "insert into sopingi_soal
values('$id_soal','$asoa','$ajawaban','$atinjauan','$akompetensi','$jsonPenulis',
'$jsonReviewer','$referensi')";
115 try {
116     $eksekusi = $db->query($sql);
117     $hasil['berhasil']=1;
118     $hasil['pesan']="Berhasil Simpan";
119     echo json_encode($hasil);
120     $db = null;
121 } catch (PDOException $salah) {
122     $hasil['berhasil']=0;
123     $hasil['pesan']="Gagal Simpan. Kesalahan:<br>".$salah->getMessage();
124     echo json_encode($hasil);
125 }
126 } elseif ($aksi=="ubah") {
127     $id_soal=$data->id_soal;
128     $eKey=substr(sha1(md5($id_soal)).md5("sopingi.com"),1,64);
129     $soal['vignette']=$data->vignette;
130     $soal['pertanyaan']=$data->pertanyaan;
131     $soal['kunci']=$data->kunci;
132     $asoa=cbt_encrypt(json_encode($soal),$eKey);
133     $jawaban['A']=$data->jawaban_a;
134     $jawaban['B']=$data->jawaban_b;
135     $jawaban['C']=$data->jawaban_c;
136     $jawaban['D']=$data->jawaban_d;
137     $jawaban['E']=$data->jawaban_e;
138     $ajawaban=cbt_encrypt(json_encode($jawaban),$eKey);
139     $adata=(array) $data;
140     $tinjauan=array();
141     foreach ($adata as $key => $itemdata) {

```

```

142     if (substr($key,0,1)=="T" ) {
143         $tinjauan[$key]=$itemdata;
144     }
145 }
146 $atinjauan=json_encode($tinjauan);
147
148 $kompetensi=explode(",",$data->kompetensi);
149 $akompetensi=json_encode($kompetensi);
150
151 $jsonPenulis=json_encode(explode(";", $data->penulis));
152 $jsonReviewer=json_encode(explode(";", $data->reviewer));
153 $referensi=$data->referensi;
154
155 $sql = "update sopingi_soal set soal='$asoaal', jawaban='$ajawaban',
tinjauan='$atinjauan',
kompetensi='$akompetensi',penulis='$jsonPenulis',reviewer='$jsonReviewer',referens
i='$referensi' where id_soal='$id_soal'";
156 try {
157     $db          = koneksi();
158     $eksekusi    = $db->query($sql);
159     $db = null;
160     $hasil['berhasil']=1;
161     $hasil['pesan']="Berhasil Simpan";
162     echo json_encode($hasil);
163 } catch (PDOException $salah) {
164     $hasil['berhasil']=0;
165     $hasil['pesan']="Gagal Simpan. Kesalahan:<br>".$salah->getMessage();
166     echo json_encode($hasil);
167 }
168
169 } else if ($aksi=="hapus") {
170     $id_soal=$data->id_soal;
171     $sql = "delete from sopingi_soal where id_soal='$id_soal'";
172     try {
173         $db          = koneksi();
174         $eksekusi    = $db->query($sql);
175         $db = null;
176         $hasil['berhasil']=1;
177         $hasil['pesan']="Berhasil Hapus";
178         echo json_encode($hasil);
179 } catch (PDOException $salah) {
180     $hasil['berhasil']=0;
181     $hasil['pesan']="Gagal Hapus. Kesalahan:<br>".$salah->getMessage();
182     echo json_encode($hasil);
183 }
184
185 } else if ($aksi=="kompetensi") {
186     $sql = "select * FROM sopingi_kompetensi";
187     try {
188         $db          = koneksi();
189         $eksekusi    = $db->query($sql);
190         $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
191         $db = null;
192         $jhasil =count($hasil);
193         $ahasil=array();
194         for ($i=0;$i<$jhasil;$i++) {
195
196             $ahasil[$i]=['id'=>$hasil[$i]->id_kompetensi,'value'=>$hasil[$i]->nama_kom
petensi];
197
198             echo json_encode($ahasil);
199 } catch (PDOException $salah) {
200     echo '{"error":{"text":' . $salah->getMessage() . '}}';
201 }
202
203 } else if ($aksi=="tinjauan") {
204     $sql = "select * FROM sopingi_tinjauan";
205     try {
206         $db          = koneksi();
207         $eksekusi    = $db->query($sql);
208         $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
209         $db = null;

```

```

209     $jhasil =count($hasil);
210     $rows=array();
211     for ($i=0;$i<$jhasil;$i++) {
212         $rows[$i]['view']="select";
213         $rows[$i]['name']=$hasil[$i]->id_tinjauan;
214         $rows[$i]['label']=$hasil[$i]->nama_tinjauan;
215         $rows[$i]['labelPosition']="top";
216         $rows[$i]['height']=50;
217         $id_tinjauan=$hasil[$i]->id_tinjauan;
218         $sqlSub="select * from sopingi_subtinjauan where
id_tinjauan='$id_tinjauan'";
219         try {
220             $db          = koneksi();
221             $eksekusi    = $db->query($sqlSub);
222             $subHasil    = $eksekusi->fetchAll(PDO::FETCH_OBJ);
223             $db = null;
224             $jsubhasil =count($subHasil);
225             $options=array();
226             for ($j=0;$j<$jsubhasil;$j++) {
227
228                 $options[$j]=['id'=>$subHasil[$j]->id_subtinjauan,'value'=>$subHas
il[$j]->nama_subtinjauan];
229             }
230             $rows[$i]['options']=$options;
231         } catch (PDOException $salah) {
232             echo '{"error":{"text":'. $salah->getMessage() .'}}';
233         }
234     }
235     $tinjauan=array();
236     $tinjauan['view']="fieldset";
237     $tinjauan['label']="Tinjauan";
238     $tinjauan['id']="tinjauan";
239     $tinjauan['body']['rows']=$rows;
240
241     echo json_encode($tinjauan);
242 } catch (PDOException $salah) {
243     echo '{"error":{"text":'. $salah->getMessage() .'}}';
244 }
245 }

```

```

1  <?php
2  include 'login_auth.php';
3
4  if ($aksi=="tampil") {
5      $sql = "select * FROM sopingi_soal order by id_soal desc";
6      try {
7          $db = koneksi();
8          $eksekusi = $db->query($sql);
9          $hasilSoal = $eksekusi->fetchAll(PDO::FETCH_OBJ);
10         $db = null;
11         $ahasil=array();
12         $i=0;
13         foreach ($hasilSoal as $hasil) {
14             $id_soal=$hasil->id_soal;
15             $ahasil[$i]['id_soal']=$id_soal;
16             $eKey=md5($id_soal);
17             $asoal=json_decode(cbt_decrypt($hasil->soal,$eKey),true);
18             //$ahasil[$i]['soal']=$asoal;
19             $ahasil[$i]['vignette']=$asoal['vignette'];
20             $ahasil[$i]['vignette2']=strip_tags($asoal['vignette']);
21             $ahasil[$i]['pertanyaan']=$asoal['pertanyaan'];
22             $ahasil[$i]['kunci']=$asoal['kunci'];
23             $jawaban=json_decode(cbt_decrypt($hasil->jawaban,$eKey),true);
24             //$ahasil[$i]['jawaban']=$jawaban;
25             $ahasil[$i]['jawaban_a']=$jawaban['A']['text'];
26             $ahasil[$i]['jawaban_b']=$jawaban['B']['text'];
27             $ahasil[$i]['jawaban_c']=$jawaban['C']['text'];
28             $ahasil[$i]['jawaban_d']=$jawaban['D']['text'];
29             $ahasil[$i]['jawaban_e']=$jawaban['E']['text'];
30
31             $ahasil[$i]['gambar_0']=$jawaban['A']['gbr'];
32             $ahasil[$i]['gambar_1']=$jawaban['B']['gbr'];
33             $ahasil[$i]['gambar_2']=$jawaban['C']['gbr'];
34             $ahasil[$i]['gambar_3']=$jawaban['D']['gbr'];
35             $ahasil[$i]['gambar_4']=$jawaban['E']['gbr'];
36
37             $tinjauan=json_decode($hasil->tinjauan,true);
38             foreach ($tinjauan as $key => $itemTinjauan) {
39                 $ahasil[$i][$key]=$itemTinjauan;
40             }
41             $id_kompetensi=json_decode($hasil->kompetensi,true);
42             $kompetensi="";
43             foreach ($id_kompetensi as $itemKompetensi) {
44                 $kompetensi.=$itemKompetensi.", ";
45             }
46             $kompetensi=trim($kompetensi,", ");
47             $ahasil[$i]['kompetensi']=$kompetensi;
48
49             $apenulis=json_decode($hasil->penulis,true);
50             $penulis="";
51             foreach ($apenulis as $itemPenulis) {
52                 $penulis.=$itemPenulis.", ";
53             }
54             $penulis=trim($penulis,", ");
55             $ahasil[$i]['penulis']=$penulis;
56
57             $areviewer=json_decode($hasil->reviewer,true);
58             $reviewer="";
59             foreach ($areviewer as $itemreviewer) {
60                 $reviewer.=$itemreviewer.", ";
61             }
62             $reviewer=trim($reviewer,", ");
63             $ahasil[$i]['reviewer']=$reviewer;
64             $ahasil[$i]['referensi']=$hasil->referensi;
65
66             $i++;
67         }
68         echo json_encode($ahasil);
69     } catch (PDOException $salah) {
70         echo '{"error":{"text":'. $salah->getMessage() .'}}';
71     }
72 } else if ($aksi=="tambah") {

```

```

73
74
75     try {
76         $db          = koneksi();
77         $sqlTerakhir  = "select max(right(id_soal,5)) as terakhir from
sopingi_soal";
78         $eksTerakhir  = $db->query($sqlTerakhir);
79         $hasilTerakhir = $eksTerakhir->fetch(PDO::FETCH_OBJ);
80
81
82         if ($hasilTerakhir->terakhir<9) {
83             $surut="0000".($hasilTerakhir->terakhir+1);
84         } else if ($hasilTerakhir->terakhir<99) {
85             $surut="000".($hasilTerakhir->terakhir+1);
86         } else if ($hasilTerakhir->terakhir<999) {
87             $surut="00".($hasilTerakhir->terakhir+1);
88         } elseif ($hasilTerakhir->terakhir<9999) {
89             $surut="0".($hasilTerakhir->terakhir+1);
90         } else {
91             $surut=($hasilTerakhir->terakhir+1);
92         }
93
94         $id_soal="S".$surut;
95     } catch (PDOException $salah) {
96         $hasil['berhasil']=0;
97         $hasil['pesan']="Gagal Simpan. Kesalahan:<br>".$salah->getMessage();
98         exit(json_encode($hasil));
99     }
100
101
102     //$id_soal = sha1(date("ymdhis").rand());
103
104     $eKey=md5($id_soal);
105     $soal['vignette']=$data->vignette;
106     $soal['pertanyaan']=$data->pertanyaan;
107     $soal['kunci']=$data->kunci;
108     $asoa=cbt_encrypt(json_encode($soal),$eKey);
109
110     /*
111     $find = array(
112         "data:image/png;base64,",
113         "data:image/jpg;base64,",
114         "data:image/jpeg;base64,",
115     );
116     */
117
118     $jawaban['A'] = array( "text"=>$data->jawaban_a, "gbr"=>$data->pil_gambar[0] );
119     $jawaban['B'] = array( "text"=>$data->jawaban_b, "gbr"=>$data->pil_gambar[1] );
120     $jawaban['C'] = array( "text"=>$data->jawaban_c, "gbr"=>$data->pil_gambar[2] );
121     $jawaban['D'] = array( "text"=>$data->jawaban_d, "gbr"=>$data->pil_gambar[3] );
122     $jawaban['E'] = array( "text"=>$data->jawaban_e, "gbr"=>$data->pil_gambar[4] );
123
124     /*
125     echo "<pre>";
126     print_r($jawaban);
127     echo "</pre>";
128     */
129
130     $ajawaban=cbt_encrypt(json_encode($jawaban),$eKey);
131     $adata= (array) $data;
132     $tinjauan=array();
133     //print_r($adata);
134     foreach ($adata as $key => $itemdata) {
135         if (substr($key,0,1)=="T") {
136             $tinjauan[$key]=$itemdata;
137         }
138     }
139     $atinjauan=json_encode($tinjauan);
140
141     $kompetensi=explode(",",$data->kompetensi);
142     $akompetensi=json_encode($kompetensi);
143

```

```

144 $jsonPenulis=json_encode(explode(";", $data->penulis));
145 $jsonReviewer=json_encode(explode(";", $data->reviewer));
146 $referensi=$data->referensi;
147
148 $sql = "insert into sopingi_soal
values('$id_soal', '$asosal', '$ajawaban', '$atinjauan', '$akompetensi', '$jsonPenulis',
'$jsonReviewer', '$referensi')";
149
150 try {
151     $db = koneksi();
152     $eksekusi = $db->query($sql);
153     $hasil['berhasil']=1;
154     $hasil['pesan']="Berhasil Simpan";
155     echo json_encode($hasil);
156     $db = null;
157 } catch (PDOException $salah) {
158     $hasil['berhasil']=0;
159     $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
160     echo json_encode($hasil);
161 }
162 } else if ($aksi=="ubah") {
163     $id_soal=$data->id_soal;
164     $eKey=md5($id_soal);
165     $soal['vignette']=$data->vignette;
166     $soal['pertanyaan']=$data->pertanyaan;
167     $soal['kunci']=$data->kunci;
168     $asosal=cbt_encrypt(json_encode($soal), $eKey);
169
170     if ($data->pil_gambar[0]=="tetap") {
171         $data->pil_gambar[0]=null;
172     }
173
174     if ($data->pil_gambar[1]=="tetap") {
175         $data->pil_gambar[1]=null;
176     }
177
178     if ($data->pil_gambar[2]=="tetap") {
179         $data->pil_gambar[2]=null;
180     }
181
182     if ($data->pil_gambar[3]=="tetap") {
183         $data->pil_gambar[3]=null;
184     }
185
186     if ($data->pil_gambar[4]=="tetap") {
187         $data->pil_gambar[4]=null;
188     }
189
190     $jawaban['A'] = array("text"=>$data->jawaban_a, "gbr"=>$data->pil_gambar[0] );
191     $jawaban['B'] = array("text"=>$data->jawaban_b, "gbr"=>$data->pil_gambar[1] );
192     $jawaban['C'] = array("text"=>$data->jawaban_c, "gbr"=>$data->pil_gambar[2] );
193     $jawaban['D'] = array("text"=>$data->jawaban_d, "gbr"=>$data->pil_gambar[3] );
194     $jawaban['E'] = array("text"=>$data->jawaban_e, "gbr"=>$data->pil_gambar[4] );
195
196     $ajawaban=cbt_encrypt(json_encode($jawaban), $eKey);
197     $adata= (array) $data;
198     $tinjauan=array();
199     foreach ($adata as $key => $itemdata) {
200         if (substr($key,0,1)=="T") {
201             $tinjauan[$key]=$itemdata;
202         }
203     }
204     $atinjauan=json_encode($tinjauan);
205
206     $kompetensi=explode(" ", $data->kompetensi);
207     $akompetensi=json_encode($kompetensi);
208
209     $jsonPenulis=json_encode(explode(";", $data->penulis));
210     $jsonReviewer=json_encode(explode(";", $data->reviewer));
211     $referensi=$data->referensi;
212
213     $sql = "update sopingi_soal set soal='$asosal', jawaban='$ajawaban',
tinjauan='$atinjauan',

```

```

kompetensi=' $akompetensi ',penulis=' $jsonPenulis ',reviewer=' $jsonReviewer ',referens
i=' $referensi ' where id_soal=' $id_soal '";
213 try {
214     $db          = koneksi();
215     $eksekusi    = $db->query($sql);
216     $db = null;
217     $hasil['berhasil']=1;
218     $hasil['pesan']="Berhasil Simpan";
219     echo json_encode($hasil);
220 } catch (PDOException $salah) {
221     $hasil['berhasil']=0;
222     $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
223     echo json_encode($hasil);
224 }
225
226 } else if ($aksi=="hapus") {
227     $id_soal=$data->id_soal;
228     $sql = "delete from sopingi_soal where id_soal=' $id_soal '";
229     try {
230         $db          = koneksi();
231         $eksekusi    = $db->query($sql);
232         $db = null;
233         $hasil['berhasil']=1;
234         $hasil['pesan']="Berhasil Hapus";
235         echo json_encode($hasil);
236 } catch (PDOException $salah) {
237     $hasil['berhasil']=0;
238     $hasil['pesan']="Gagal Hapus. Kesalahan:<br>". $salah->getMessage();
239     echo json_encode($hasil);
240 }
241
242 } else if ($aksi=="kompetensi") {
243     $sql = "select * FROM sopingi_kompetensi";
244     try {
245         $db          = koneksi();
246         $eksekusi    = $db->query($sql);
247         $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
248         $db = null;
249         $jhasil =count($hasil);
250         $ahasil=array();
251         for ($i=0;$i<$jhasil;$i++) {
252
253             $ahasil[$i]=['id'=>$hasil[$i]->id_kompetensi,'value'=>$hasil[$i]->nama_kom
254             petensi];
255         }
256         echo json_encode($ahasil);
257     } catch (PDOException $salah) {
258         echo '{"error":{"text":'. $salah->getMessage() .'}}';
259     }
260 } else if ($aksi=="tinjauan") {
261     $sql = "select * FROM sopingi_tinjauan";
262     try {
263         $db          = koneksi();
264         $eksekusi    = $db->query($sql);
265         $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
266         $db = null;
267         $jhasil =count($hasil);
268         $rows=array();
269         for ($i=0;$i<$jhasil;$i++) {
270             $rows[$i]['view']="select";
271             $rows[$i]['name']=$hasil[$i]->id_tinjauan;
272             $rows[$i]['label']=$hasil[$i]->nama_tinjauan;
273             $rows[$i]['labelPosition']="top";
274             $rows[$i]['height']=50;
275             $id_tinjauan=$hasil[$i]->id_tinjauan;
276             $sqlSub="select * from sopingi_subtinjauan where
277             id_tinjauan=' $id_tinjauan '";
278         }
279         try {
280             $db          = koneksi();
281             $eksekusi    = $db->query($sqlSub);
282             $subHasil    = $eksekusi->fetchAll(PDO::FETCH_OBJ);

```



```
280         $db = null;
281         $jsubhasil =count($subHasil);
282         $options=array();
283         for ($j=0;$j<$jsubhasil;$j++) {
284
285             $options[$j]=['id'=>$subHasil[$j]->id_subtinjauan,'value'=>$subHas
286                 il[$j]->nama_subtinjauan];
287         }
288         $rows[$i]['options']=$options;
289     } catch (PDOException $salah) {
290         echo '{"error":{"text":'. $salah->getMessage() .'}}';
291     }
292 }
293
294 $tinjauan=array();
295 $tinjauan['view']="fieldset";
296 $tinjauan['label']="Tinjauan";
297 $tinjauan['id']="tinjauan";
298 $tinjauan['body']['rows']=$rows;
299
300 echo json_encode($tinjauan);
301 } catch (PDOException $salah) {
302     echo '{"error":{"text":'. $salah->getMessage() .'}}';
303 }
```

```

1  <?php
2  include 'login_auth.php' ;
3
4  if ($aksi=='formatXLSX') {
5
6      /** Error reporting */
7      error_reporting(E_ALL);
8      ini_set('display_errors', TRUE);
9      ini_set('display_startup_errors', TRUE);
10     date_default_timezone_set('Asia/Jakarta');
11
12     if (PHP_SAPI == 'cli')
13         die('Hanya dapat dijalankan melalui Web Browser');
14
15     /** Include PHPExcel */
16     require_once dirname(__FILE__) . '/../lib/excel/PHPExcel.php';
17
18     //dari template
19     try {
20         /** Load $inputFileName to a PHPExcel Object */
21         $FormSoal = PHPExcel_IOFactory::load('halaman/Template-Soal.xlsm');
22     } catch(PHPExcel_Reader_Exception $e) {
23         die('Kesalahan membaca file: '.$e->getMessage());
24     }
25
26     // Create new PHPExcel object
27     //$FormSoal = new PHPExcel();
28
29     // Set document properties
30     $FormSoal->getProperties()->setCreator("www.sopingi.com")
31         ->setLastModifiedBy("www.sopingi.com")
32         ->setTitle("Form Soal UKom")
33         ->setSubject("CBT Ujian Try Out Kompetensi Perakam
34         Medis")
35         ->setDescription("Form untuk input soal ke database
36         CBT Ujian Try Out Kompetensi Perakam Medis.")
37         ->setKeywords("CBT Ujian Try Out Kompetensi Perakam
38         Medis")
39         ->setCategory("aptiRMIK");
40
41     //FORM INPUT
42     $FormSoal->setActiveSheetIndex(0)
43         ->setCellValue('A1', 'No Urut')
44         ->setCellValue('B1', 'Pilih Kompetensi')
45         ->setCellValue('C1', 'Reviewer')
46         ->setCellValue('D1', 'Penulis')
47         ->setCellValue('E1', 'Referensi')
48         ->setCellValue('F1', 'Vignette')
49         ->setCellValue('G1', 'Pertanyaan')
50         ->setCellValue('H1', 'Opsi A')
51         ->setCellValue('I1', 'Opsi B')
52         ->setCellValue('J1', 'Opsi C')
53         ->setCellValue('K1', 'Opsi D')
54         ->setCellValue('L1', 'Opsi E')
55         ->setCellValue('M1', 'Kunci');
56
57     $styleJudul = array(
58         'font' => array(
59             'bold' => true,
60         ),
61         'alignment' => array(
62             'horizontal' => PHPExcel_Style_Alignment::HORIZONTAL_CENTER,
63         ),
64         'borders' => array(
65             'allborders' => array(
66                 'style' => PHPExcel_Style_Border::BORDER_THIN,
67             ),
68         ),
69         'fill' => array(
70             'type' => PHPExcel_Style_Fill::FILL_GRADIENT_LINEAR,
71             'rotation' => 90,
72             'startcolor' => array(

```

```

70         'argb' => 'FFA0A0A0',
71     ),
72     'endcolor' => array(
73         'argb' => 'FFFFFFF',
74     ),
75 ),
76 );
77
78 $FormSoal->getActiveSheet()->getStyle('A1:S1')->applyFromArray($styleJudul);
79
80 $styleIsi = array(
81     'font' => array(
82         'bold' => false,
83     ),
84     'alignment' => array(
85         'horizontal' => PHPExcel_Style_Alignment::HORIZONTAL_LEFT,
86         'vertical' => PHPExcel_Style_Alignment::VERTICAL_TOP,
87     ),
88     'borders' => array(
89         'allborders' => array(
90             'style' => PHPExcel_Style_Border::BORDER_THIN,
91         ),
92     ),
93 );
94
95 $FormSoal->getActiveSheet()->getStyle('A2:S500')->applyFromArray($styleIsi);
96
97 //KUNCI KOLOM B
98 /*
99 $FormSoal->getSheet(0)->getProtection()->setSheet(true);
100 $FormSoal->getSheet(0)->getProtection()->setInsertRows(true);
101 $FormSoal->getSheet(0)->getProtection()->setInsertColumns(true);
102 $FormSoal->getSheet(0)->getProtection()->setFormatCells(true);
103 $FormSoal->getActiveSheet()->getStyle('A2:A500')->getProtection()->setLocked(
104     PHPExcel_Style_Protection::PROTECTION_UNPROTECTED
105 );
106 $FormSoal->getActiveSheet()->getStyle('D2:D500')->getProtection()->setLocked(
107     PHPExcel_Style_Protection::PROTECTION_UNPROTECTED
108 );
109 */
110
111 $FormSoal->getActiveSheet()->getColumnDimension('A')->setWidth(8);
112 $FormSoal->getActiveSheet()->getColumnDimension('B')->setWidth(50);
113 $FormSoal->getActiveSheet()->getColumnDimension('C')->setWidth(30);
114 $FormSoal->getActiveSheet()->getColumnDimension('D')->setWidth(30);
115 $FormSoal->getActiveSheet()->getColumnDimension('E')->setWidth(40);
116 $FormSoal->getActiveSheet()->getColumnDimension('F')->setWidth(60);
117 $FormSoal->getActiveSheet()->getColumnDimension('G')->setWidth(70);
118 $FormSoal->getActiveSheet()->getColumnDimension('H')->setWidth(40);
119 $FormSoal->getActiveSheet()->getColumnDimension('I')->setWidth(40);
120 $FormSoal->getActiveSheet()->getColumnDimension('J')->setWidth(40);
121 $FormSoal->getActiveSheet()->getColumnDimension('K')->setWidth(40);
122 $FormSoal->getActiveSheet()->getColumnDimension('L')->setWidth(40);
123 $FormSoal->getActiveSheet()->getColumnDimension('M')->setWidth(5);
124
125 for ($baris=2;$baris<=500;$baris++) {
126     $FormSoal->getActiveSheet()->getRowDimension($baris)->setRowHeight(180);
127 }
128
129 $FormSoal->getActiveSheet()->freezePane('A2');
130
131 // Rename worksheet
132 $FormSoal->getActiveSheet()->setTitle('INPUT SOAL');
133
134 // Set active sheet index to the first sheet, so Excel opens this as the first
sheet
135 $FormSoal->setActiveSheetIndex(0);
136
137 //SHEET 2 Kompetensi
138 $kompetensi = new PHPExcel_Worksheet($FormSoal, 'JENIS_KOMPETENSI');
139 $FormSoal->addSheet($kompetensi, 1);
140 $FormSoal->getSheet(1)->setCellValue('A1', "NAMA KOMPETENSI");

```

```

141 $FormSoal->getSheet(1)->getColumnDimension('A')->setWidth(90);
142 $sql = "select * FROM sopingi_kompetensi";
143 try {
144     $db = koneksi();
145     $eksekusi = $db->query($sql);
146     $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
147     $jmlKompetensi=$eksekusi->rowCount();
148     $db = null;
149     $i=1;
150     foreach ($hasil as $itemKompetensi) {
151         $i++;
152         $FormSoal->getSheet(1)->setCellValue('A'.$i,
            $itemKompetensi->nama_kompetensi." | ".$itemKompetensi->id_kompetensi);
153     }
154 }
155 } catch (PDOException $salah) {
156     exit($salah->getMessage());
157 }
158 $FormSoal->getSheet(1)->getProtection()->setSheet(true);
159 $FormSoal->getSheet(1)->getProtection()->setSort(true);
160 $FormSoal->getSheet(1)->getProtection()->setInsertRows(true);
161 $FormSoal->getSheet(1)->getProtection()->setInsertColumns(true);
162 $FormSoal->getSheet(1)->getProtection()->setFormatCells(true);
163
164 //SHEET 3 Kunci
165 $kunci = new PHPExcel_Worksheet($FormSoal, 'KUNCI');
166 $FormSoal->addSheet($kunci, 2);
167 $FormSoal->getSheet(2)->setCellValue('A1', "KUNCI");
168 $FormSoal->getSheet(2)->setCellValue('A2', "A");
169 $FormSoal->getSheet(2)->setCellValue('A3', "B");
170 $FormSoal->getSheet(2)->setCellValue('A4', "C");
171 $FormSoal->getSheet(2)->setCellValue('A5', "D");
172 $FormSoal->getSheet(2)->setCellValue('A6', "E");
173 $FormSoal->getSheet(2)->getProtection()->setSheet(true);
174 $FormSoal->getSheet(2)->getProtection()->setSort(true);
175 $FormSoal->getSheet(2)->getProtection()->setInsertRows(true);
176 $FormSoal->getSheet(2)->getProtection()->setInsertColumns(true);
177 $FormSoal->getSheet(2)->getProtection()->setFormatCells(true);
178
179 //SHEET 4 Tinjauan
180 $tinjauan = new PHPExcel_Worksheet($FormSoal, 'TINJAUAN');
181 $FormSoal->addSheet($tinjauan, 3);
182
183 $sql = "select * FROM sopingi_tinjauan";
184 try {
185     $db = koneksi();
186     $eksekusi = $db->query($sql);
187     $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
188     $jmlTinjauan=$eksekusi->rowCount();
189     $jmlSubTinjauan=array();
190     $nama_tinjauan=array();
191     $i=65;
192     foreach ($hasil as $itemTinjauan) {
193         $nama_tinjauan[]=$itemTinjauan->nama_tinjauan;
194         $FormSoal->getSheet(3)->setCellValue(chr($i).'1',
            $itemTinjauan->nama_tinjauan);
195         $FormSoal->getSheet(3)->getColumnDimension(chr($i))->setWidth(90);
196         $id_tinjauan=$itemTinjauan->id_tinjauan;
197         $sqlSub = "select * FROM sopingi_subtinjauan where
            id_tinjauan='$id_tinjauan'";
198         $eksekusiSub = $db->query($sqlSub);
199         $hasilSub = $eksekusiSub->fetchAll(PDO::FETCH_OBJ);
200         $jmlSubTinjauan[]=$eksekusiSub->rowCount();
201         $j=1;
202         foreach ($hasilSub as $itemSubTinjauan) {
203             $j++;
204             $FormSoal->getSheet(3)->setCellValue(chr($i).'j',
                $itemSubTinjauan->nama_subtinjauan." |
                ".$itemSubTinjauan->id_subtinjauan);
205         }
206         $i++;
207     }

```

```

208     $db = null;
209 } catch (PDOException $salah) {
210     exit($salah->getMessage());
211 }
212 $FormSoal->getSheet(3)->getProtection()->setSheet(true);
213 $FormSoal->getSheet(3)->getProtection()->setSort(true);
214 $FormSoal->getSheet(3)->getProtection()->setInsertRows(true);
215 $FormSoal->getSheet(3)->getProtection()->setInsertColumns(true);
216 $FormSoal->getSheet(3)->getProtection()->setFormatCells(true);
217
218 //TAMBAH KOLOM TINJAUAN DI FORM INPUT
219 $t=77;
220 for ($i=0;$i<$jmlTinjauan;$i++) {
221     $t++;
222     $cell=chr($t)."1";
223
224     $FormSoal->getSheet(0)->setCellValue($cell, $nama_tinjauan[$i]);
225     $FormSoal->getSheet(0)->getColumnDimension(chr($t))->setWidth(30);
226
227     $FormSoal->getActiveSheet()->getComment($cell)->setWidth("400px");
228     $FormSoal->getActiveSheet()->getComment($cell)->setHeight("120px");
229     $FormSoal->getActiveSheet()->getComment($cell)->setAuthor('sopingi.com');
230     $komentarTinjauan =
231     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun('PETU
232     NJUK "TINJAUAN:');
233     $komentarTinjauan->getFont()->setBold(true);
234
235     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun("\r\n
236     ");
237
238     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun('Sila
239     hkan Pilih Nama Tinjauan menggunakan tombol dropdown');
240
241     //TAMBAH DROPDOWN
242     $col=chr(65+$i);
243     $akhir=($jmlSubTinjauan[$i]+1);
244
245     for ($n=2;$n<500;$n++) {
246         $validasiKunci
247         =$FormSoal->getSheet(0)->getCell(chr($t).$n)->getDataValidation();
248         $validasiKunci->setType( PHPEXcel_Cell_DataValidation::TYPE_LIST );
249         $validasiKunci->setErrorStyle( PHPEXcel_Cell_DataValidation::STYLE_STOP );
250         $validasiKunci->setAllowBlank(false);
251         $validasiKunci->setShowInputMessage(true);
252         $validasiKunci->setShowErrorMessage(true);
253         $validasiKunci->setShowDropDown(true);
254         $validasiKunci->setErrorTitle('Kesalahan');
255         $validasiKunci->setError('Nilai tidak ada di daftar');
256         $validasiKunci->setPromptTitle($nama_tinjauan[$i]);
257         $validasiKunci->setPrompt('Silahkan pilih tinjauan dari daftar');
258         $formulal="TINJAUAN!$".$col."$2:$".$col."$".$akhir;
259         $validasiKunci->setFormulal($formulal);
260
261         $FormSoal->getActiveSheet()->getStyle(chr($t).$n)->getAlignment()->setWrap
262         Text(true);
263     }
264 }
265
266 //SETTING KOMENTAR
267 $FormSoal->getActiveSheet()->getComment('B1')->setWidth("400px");
268 $FormSoal->getActiveSheet()->getComment('B1')->setHeight("120px");
269 $FormSoal->getActiveSheet()->getComment('B1')->setAuthor('sopingi.com');
270 $komentarKompetensi =
271 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('PETUNJUK
272 "JENIS KOMPETENSI:');
273 $komentarKompetensi->getFont()->setBold(true);
274 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun("\r\n");
275
276 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('Silahkan
277 Pilih Jenis Kompetensi menggunakan tombol dropdown.');
```

```

267 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun("\r\n");
268 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('Jika
Lebih dari satu pisahkan dengan tanda TITIK KOMA (;)');
269
270 $FormSoal->getActiveSheet()->getComment('C1')->setWidth("400px");
271 $FormSoal->getActiveSheet()->getComment('C1')->setHeight("120px");
272 $FormSoal->getActiveSheet()->getComment('C1')->setAuthor('sopingi.com');
273 $komentarReviewer =
$FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun('PETUNJUK
"REVIEWER:');
274 $komentarReviewer->getFont()->setBold(true);
275 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun("\r\n");
276 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun('Nama
Reviwer Diisi Oleh Penjaminan Mutu. ');
277 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun("\r\n");
278 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun('Jika
Lebih dari satu pisahkan dengan tanda TITIK KOMA (;)');
279
280 $FormSoal->getActiveSheet()->getComment('D1')->setWidth("400px");
281 $FormSoal->getActiveSheet()->getComment('D1')->setHeight("120px");
282 $FormSoal->getActiveSheet()->getComment('D1')->setAuthor('sopingi.com');
283 $komentarPenulis =
$FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('PETUNJUK
"PENULIS:');
284 $komentarPenulis->getFont()->setBold(true);
285 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun("\r\n");
286 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('Nama
Penulis Soal');
287 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun("\r\n");
288 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('Jika
Lebih dari satu pisahkan dengan tanda TITIK KOMA (;)');
289
290 //SETTING DROPDOWN KOMPETENSI
291 for ($n=2;$n<500;$n++) {
292     $validasiKunci =$FormSoal->getSheet(0)->getCell('B'.$n)->getDataValidation();
293     $validasiKunci->setType( PHPExcel_Cell_DataValidation::TYPE_LIST );
294     $validasiKunci->setErrorStyle( PHPExcel_Cell_DataValidation::STYLE_STOP );
295     $validasiKunci->setAllowBlank(false);
296     $validasiKunci->setShowInputMessage(true);
297     $validasiKunci->setShowErrorMessage(true);
298     $validasiKunci->setShowDropDown(true);
299     $validasiKunci->setErrorTitle('Kesalahan');
300     $validasiKunci->setError('Nilai tidak ada di daftar');
301     $validasiKunci->setPromptTitle('Jenis Kompetensi');
302     $validasiKunci->setPrompt('Silahkan pilih dari daftar');
303     $validasiKunci->setFormulal('JENIS_KOMPETENSI!$A$2:$A$'.$jmlKompetensi+1);
304 }
305
306 //SETTING DROPDOWN KUNCI
307 for ($n=2;$n<500;$n++) {
308     $validasiKunci =$FormSoal->getSheet(0)->getCell('M'.$n)->getDataValidation();
309     $validasiKunci->setType( PHPExcel_Cell_DataValidation::TYPE_LIST );
310     $validasiKunci->setErrorStyle( PHPExcel_Cell_DataValidation::STYLE_STOP );
311     $validasiKunci->setAllowBlank(false);
312     $validasiKunci->setShowInputMessage(true);
313     $validasiKunci->setShowErrorMessage(true);
314     $validasiKunci->setShowDropDown(true);
315     $validasiKunci->setErrorTitle('Kesalahan');
316     $validasiKunci->setError('Nilai tidak ada di daftar');
317     $validasiKunci->setPromptTitle('KUNCI');
318     $validasiKunci->setPrompt('Silahkan pilih dari daftar');
319     $validasiKunci->setFormulal('KUNCI!$A$2:$A$6');
320 }
321
322 //HIDDEN SHEET
323 $FormSoal->getSheet(1)->setSheetState(PHPExcel_Worksheet::SHEETSTATE_VERYHIDDEN);
324 $FormSoal->getSheet(2)->setSheetState(PHPExcel_Worksheet::SHEETSTATE_VERYHIDDEN);
325 $FormSoal->getSheet(3)->setSheetState(PHPExcel_Worksheet::SHEETSTATE_VERYHIDDEN);
326
327 // Redirect output to a client's web browser (Excel2007)
328 header('Content-Type:
application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');

```

```

329 header('Content-Disposition: attachment;filename="Format-Soal.xlsm"');
330 header('Cache-Control: max-age=0');
331 // If you're serving to IE 9, then the following may be needed
332 header('Cache-Control: max-age=1');
333
334 header('Last-Modified: '.gmdate('D, d M Y H:i:s').' GMT'); // always modified
335 header('Cache-Control: cache, must-revalidate'); // HTTP/1.1
336 header('Pragma: public'); // HTTP/1.0
337
338 $objWriter = PHPExcel_IOFactory::createWriter($FormSoal, 'Excel2007');
339 $objWriter->save('php://output');
340 exit;
341
342 } else if ($aksi=="importXLSX") {
343
344     error_reporting(E_ALL);
345     set_time_limit(0);
346     date_default_timezone_set('Asia/Jakarta');
347
348     require_once dirname(__FILE__) . '/../lib/excel/PHPExcel/IOFactory.php';
349
350     $inputFileName = './soalXLSX/SOAL_IMPORT.xlsm';
351
352     //$objReader = new PHPExcel_Reader_Excel5();
353     $objReader = new PHPExcel_Reader_Excel2007();
354     // $objReader = new PHPExcel_Reader_Excel2003XML();
355     // $objReader = new PHPExcel_Reader_OOCalc();
356     // $objReader = new PHPExcel_Reader_SYLK();
357     // $objReader = new PHPExcel_Reader_Gnumeric();
358     // $objReader = new PHPExcel_Reader_CSV();
359     $objPHPExcel = $objReader->load($inputFileName);
360
361     $sheetData = $objPHPExcel->getActiveSheet()->toArray("", true, true, true);
362
363     /*
364     echo "<pre>";
365     print_r($sheetData);
366     echo $sheetData[2]['A']."-";
367     echo $sheetData[2]['B'];
368     echo "</pre>";
369
370     //exit();
371     */
372
373     $db = koneksi();
374     $berhasil = array();
375     $gagal = array();
376     $kosong = array();
377     $ke = 0;
378     foreach ($sheetData as $dataSoal) {
379         if ($ke>0) {
380             $kolomKosong=0;
381             $jmlKolom=count($dataSoal);
382             foreach ($dataSoal as $itemSoal) {
383                 if ($itemSoal==" " || $itemSoal==NULL) {
384                     $kolomKosong++;
385                 }
386             }
387
388             if ($kolomKosong==0) {
389
390                 try {
391                     $sqlTerakhir = "select max(right(id_soal,3)) as terakhir from
392                                     sopingi_soal";
393                     $eksTerakhir = $db->query($sqlTerakhir);
394                     $hasilTerakhir = $eksTerakhir->fetch(PDO::FETCH_OBJ);
395
396                     if ($hasilTerakhir->terakhir<9) {
397                         $urut="00".($hasilTerakhir->terakhir+1);
398                     } elseif ($hasilTerakhir->terakhir<99) {
399                         $urut="0".($hasilTerakhir->terakhir+1);
400                     } else {

```

```

400         $urut=( $hasilTerakhir->terakhir+1);
401     }
402
403     $id_soal="S".$urut;
404 } catch (PDOException $salah) {
405     $hasil['berhasil']=0;
406     $hasil['pesan']="Gagal Simpan.
407     Kesalahan:<br>" . $salah->getMessage();
408     exit( json_encode($hasil));
409 }
410
411 $eKey=substr(shal(md5($id_soal)).md5("sopingi.com"),1,64);
412 $soal['vignette']=$dataSoal['F'];
413 $soal['pertanyaan']=$dataSoal['G'];
414 $soal['kunci']=$dataSoal['M'];
415 $asoa=cbt_encrypt( json_encode($soal), $eKey);
416 $jawaban['A']=$dataSoal['H'];
417 $jawaban['B']=$dataSoal['I'];
418 $jawaban['C']=$dataSoal['J'];
419 $jawaban['D']=$dataSoal['K'];
420 $jawaban['E']=$dataSoal['L'];
421 $ajawaban=cbt_encrypt( json_encode($jawaban), $eKey);
422
423 $jmlKolomTinjauan = $jmlKolom-13;
424 $t=77;
425 $atinjauan=array();
426 for ($i=1;$i<=$jmlKolomTinjauan;$i++) {
427     $t++;
428     $tinjauan=explode("|", $dataSoal[chr($t)]);
429     $aItemTinjauan=explode("-", trim($tinjauan[1]));
430     $atinjauan[$aItemTinjauan[0]]=trim($tinjauan[1]);
431 }
432 $jsonTinjauan=json_encode($atinjauan);
433
434 $kompetensi=explode(";", $dataSoal['B']);
435 $akompetensi=array();
436 foreach ($kompetensi as $itemKompetensi) {
437     $aItemKompetensi=explode("|", $itemKompetensi);
438     $akompetensi[]=trim($aItemKompetensi[1]);
439 }
440 $jsonKompetensi=json_encode($akompetensi);
441
442 $jsonPenulis=json_encode(explode(";", $dataSoal['D']));
443 $jsonReviewer=json_encode(explode(";", $dataSoal['C']));
444 $referensi=$dataSoal['E'];
445
446 $sql = "insert into sopingi_soal
447 values('$id_soal', '$asoa', '$ajawaban', '$jsonTinjauan', '$jsonKompetensi',
448 '$jsonPenulis', '$jsonReviewer', '$referensi')";
449 try {
450     $eksekusi = $db->query($sql);
451     $berhasil[]=array("ke"=>$ke, "pertanyaan"=>$dataSoal['G']);
452 } catch (PDOException $salah) {
453     $gagal[]=array("ke"=>$ke, "pertanyaan"=>$dataSoal['G']);
454 }
455
456 } else if ($kolomKosong<$jmlKolom) {
457     $kosong[]=array("ke"=>$ke, "pertanyaan"=>$dataSoal['G']);
458 }
459
460 } // $if ke
461
462 $ke++;
463
464 } //foreach sheetData
465
466 $db = null;
467
468 $hasil=array("berhasil"=>$berhasil, "gagal"=>$gagal, "kosong"=>$kosong);
469 echo json_encode($hasil);
470 unlink('./soalXLSX/SOAL_IMPORT.xlsm');

```



```
469
470 } else if ($aksi=="upload") {
471     $file = $_FILES['upload'];
472     $fileTypes = array('xslm','XLSM');
473     $fileParts = pathinfo($file["name"]);
474     if (in_array($fileParts['extension'],$fileTypes)) {
475         $destination = realpath('./soalXLSX');
476         $namafile = "SOAL_IMPORT.xslm";
477         $filename = $destination."/".$namafile;
478         $hasil = move_uploaded_file($file["tmp_name"], $filename);
479         if ($hasil) {
480             echo json_encode(array('status'=>'server','nama_file'=>$namafile));
481         } else {
482             echo json_encode(array('status'=>'error'));
483         }
484     } else {
485         echo json_encode(array('status'=>'error'));
486     }
487 }
```

```

1  <?php
2  include 'login_auth.php' ;
3
4  if ($aksi=='formatXLSX') {
5
6      /** Error reporting */
7      error_reporting(E_ALL);
8      ini_set('display_errors', TRUE);
9      ini_set('display_startup_errors', TRUE);
10     date_default_timezone_set('Asia/Jakarta');
11
12     if (PHP_SAPI == 'cli')
13         die('Hanya dapat dijalankan melalui Web Browser');
14
15     /** Include PHPExcel */
16     require_once dirname(__FILE__) . '/../lib/excel/PHPExcel.php';
17
18     //dari template
19     try {
20         /** Load $inputFileName to a PHPExcel Object */
21         $FormSoal = PHPExcel_IOFactory::load('halaman/Template-Soal.xlsm');
22     } catch(PHPExcel_Reader_Exception $e) {
23         die('Kesalahan membaca file: '.$e->getMessage());
24     }
25
26     // Create new PHPExcel object
27     //$FormSoal = new PHPExcel();
28
29     // Set document properties
30     $FormSoal->getProperties()->setCreator("www.sopingi.com")
31         ->setLastModifiedBy("www.sopingi.com")
32         ->setTitle("Form Soal UKom")
33         ->setSubject("CBT Ujian Try Out Kompetensi Perakam
34         Medis")
35         ->setDescription("Form untuk input soal ke database
36         CBT Ujian Try Out Kompetensi Perakam Medis.")
37         ->setKeywords("CBT Ujian Try Out Kompetensi Perakam
38         Medis")
39         ->setCategory("aptiRMIK");
40
41     //FORM INPUT
42     $FormSoal->setActiveSheetIndex(0)
43         ->setCellValue('A1', 'No Urut')
44         ->setCellValue('B1', 'Pilih Kompetensi')
45         ->setCellValue('C1', 'Reviewer')
46         ->setCellValue('D1', 'Penulis')
47         ->setCellValue('E1', 'Referensi')
48         ->setCellValue('F1', 'Vignette')
49         ->setCellValue('G1', 'Pertanyaan')
50         ->setCellValue('H1', 'Opsi A')
51         ->setCellValue('I1', 'Opsi B')
52         ->setCellValue('J1', 'Opsi C')
53         ->setCellValue('K1', 'Opsi D')
54         ->setCellValue('L1', 'Opsi E')
55         ->setCellValue('M1', 'Kunci');
56
57     $styleJudul = array(
58         'font' => array(
59             'bold' => true,
60         ),
61         'alignment' => array(
62             'horizontal' => PHPExcel_Style_Alignment::HORIZONTAL_CENTER,
63         ),
64         'borders' => array(
65             'allborders' => array(
66                 'style' => PHPExcel_Style_Border::BORDER_THIN,
67             ),
68         ),
69         'fill' => array(
70             'type' => PHPExcel_Style_Fill::FILL_GRADIENT_LINEAR,
71             'rotation' => 90,
72             'startcolor' => array(

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```

70         'argb' => 'FFA0A0A0',
71     ),
72     'endcolor' => array(
73         'argb' => 'FFFFFFF',
74     ),
75 ),
76 );
77
78 $FormSoal->getActiveSheet()->getStyle('A1:S1')->applyFromArray($styleJudul);
79
80 $styleIsi = array(
81     'font' => array(
82         'bold' => false,
83     ),
84     'alignment' => array(
85         'horizontal' => PHPExcel_Style_Alignment::HORIZONTAL_LEFT,
86         'vertical' => PHPExcel_Style_Alignment::VERTICAL_TOP,
87     ),
88     'borders' => array(
89         'allborders' => array(
90             'style' => PHPExcel_Style_Border::BORDER_THIN,
91         ),
92     ),
93 );
94
95 $FormSoal->getActiveSheet()->getStyle('A2:S500')->applyFromArray($styleIsi);
96
97 //KUNCI KOLOM B
98 /*
99 $FormSoal->getSheet(0)->getProtection()->setSheet(true);
100 $FormSoal->getSheet(0)->getProtection()->setInsertRows(true);
101 $FormSoal->getSheet(0)->getProtection()->setInsertColumns(true);
102 $FormSoal->getSheet(0)->getProtection()->setFormatCells(true);
103 $FormSoal->getActiveSheet()->getStyle('A2:A500')->getProtection()->setLocked(
104     PHPExcel_Style_Protection::PROTECTION_UNPROTECTED
105 );
106 $FormSoal->getActiveSheet()->getStyle('D2:D500')->getProtection()->setLocked(
107     PHPExcel_Style_Protection::PROTECTION_UNPROTECTED
108 );
109 */
110
111 $FormSoal->getActiveSheet()->getColumnDimension('A')->setWidth(8);
112 $FormSoal->getActiveSheet()->getColumnDimension('B')->setWidth(50);
113 $FormSoal->getActiveSheet()->getColumnDimension('C')->setWidth(30);
114 $FormSoal->getActiveSheet()->getColumnDimension('D')->setWidth(30);
115 $FormSoal->getActiveSheet()->getColumnDimension('E')->setWidth(40);
116 $FormSoal->getActiveSheet()->getColumnDimension('F')->setWidth(60);
117 $FormSoal->getActiveSheet()->getColumnDimension('G')->setWidth(70);
118 $FormSoal->getActiveSheet()->getColumnDimension('H')->setWidth(40);
119 $FormSoal->getActiveSheet()->getColumnDimension('I')->setWidth(40);
120 $FormSoal->getActiveSheet()->getColumnDimension('J')->setWidth(40);
121 $FormSoal->getActiveSheet()->getColumnDimension('K')->setWidth(40);
122 $FormSoal->getActiveSheet()->getColumnDimension('L')->setWidth(40);
123 $FormSoal->getActiveSheet()->getColumnDimension('M')->setWidth(5);
124
125 for ($baris=2;$baris<=500;$baris++) {
126     $FormSoal->getActiveSheet()->getRowDimension($baris)->setRowHeight(180);
127 }
128
129 $FormSoal->getActiveSheet()->freezePane('A2');
130
131 // Rename worksheet
132 $FormSoal->getActiveSheet()->setTitle('INPUT SOAL');
133
134 // Set active sheet index to the first sheet, so Excel opens this as the first
sheet
135 $FormSoal->setActiveSheetIndex(0);
136
137 //SHEET 2 Kompetensi
138 $kompetensi = new PHPExcel_Worksheet($FormSoal, 'JENIS_KOMPETENSI');
139 $FormSoal->addSheet($kompetensi, 1);
140 $FormSoal->getSheet(1)->setCellValue('A1', "NAMA KOMPETENSI");

```

```

141 $FormSoal->getSheet(1)->getColumnDimension('A')->setWidth(90);
142 $sql = "select * FROM sopingi_kompetensi";
143 try {
144     $db = koneksi();
145     $eksekusi = $db->query($sql);
146     $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
147     $jmlKompetensi=$eksekusi->rowCount();
148     $db = null;
149     $i=1;
150     foreach ($hasil as $itemKompetensi) {
151         $i++;
152         $FormSoal->getSheet(1)->setCellValue('A'.$i,
            $itemKompetensi->nama_kompetensi." | ".$itemKompetensi->id_kompetensi);
153     }
154 }
155 } catch (PDOException $salah) {
156     exit($salah->getMessage());
157 }
158 $FormSoal->getSheet(1)->getProtection()->setSheet(true);
159 $FormSoal->getSheet(1)->getProtection()->setSort(true);
160 $FormSoal->getSheet(1)->getProtection()->setInsertRows(true);
161 $FormSoal->getSheet(1)->getProtection()->setInsertColumns(true);
162 $FormSoal->getSheet(1)->getProtection()->setFormatCells(true);
163
164 //SHEET 3 Kunci
165 $kunci = new PHPExcel_Worksheet($FormSoal, 'KUNCI');
166 $FormSoal->addSheet($kunci, 2);
167 $FormSoal->getSheet(2)->setCellValue('A1', "KUNCI");
168 $FormSoal->getSheet(2)->setCellValue('A2', "A");
169 $FormSoal->getSheet(2)->setCellValue('A3', "B");
170 $FormSoal->getSheet(2)->setCellValue('A4', "C");
171 $FormSoal->getSheet(2)->setCellValue('A5', "D");
172 $FormSoal->getSheet(2)->setCellValue('A6', "E");
173 $FormSoal->getSheet(2)->getProtection()->setSheet(true);
174 $FormSoal->getSheet(2)->getProtection()->setSort(true);
175 $FormSoal->getSheet(2)->getProtection()->setInsertRows(true);
176 $FormSoal->getSheet(2)->getProtection()->setInsertColumns(true);
177 $FormSoal->getSheet(2)->getProtection()->setFormatCells(true);
178
179 //SHEET 4 Tinjauan
180 $tinjauan = new PHPExcel_Worksheet($FormSoal, 'TINJAUAN');
181 $FormSoal->addSheet($tinjauan, 3);
182
183 $sql = "select * FROM sopingi_tinjauan";
184 try {
185     $db = koneksi();
186     $eksekusi = $db->query($sql);
187     $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
188     $jmlTinjauan=$eksekusi->rowCount();
189     $jmlSubTinjauan=array();
190     $nama_tinjauan=array();
191     $i=65;
192     foreach ($hasil as $itemTinjauan) {
193         $nama_tinjauan[]=$itemTinjauan->nama_tinjauan;
194         $FormSoal->getSheet(3)->setCellValue(chr($i).'1',
            $itemTinjauan->nama_tinjauan);
195         $FormSoal->getSheet(3)->getColumnDimension(chr($i))->setWidth(90);
196         $id_tinjauan=$itemTinjauan->id_tinjauan;
197         $sqlSub = "select * FROM sopingi_subtinjauan where
            id_tinjauan='$id_tinjauan'";
198         $eksekusiSub = $db->query($sqlSub);
199         $hasilSub = $eksekusiSub->fetchAll(PDO::FETCH_OBJ);
200         $jmlSubTinjauan[]=$eksekusiSub->rowCount();
201         $j=1;
202         foreach ($hasilSub as $itemSubTinjauan) {
203             $j++;
204             $FormSoal->getSheet(3)->setCellValue(chr($i).'j',
                $itemSubTinjauan->nama_subtinjauan." |
                ".$itemSubTinjauan->id_subtinjauan);
205         }
206         $i++;
207     }

```

```

208     $db = null;
209 } catch (PDOException $salah) {
210     exit($salah->getMessage());
211 }
212 $FormSoal->getSheet(3)->getProtection()->setSheet(true);
213 $FormSoal->getSheet(3)->getProtection()->setSort(true);
214 $FormSoal->getSheet(3)->getProtection()->setInsertRows(true);
215 $FormSoal->getSheet(3)->getProtection()->setInsertColumns(true);
216 $FormSoal->getSheet(3)->getProtection()->setFormatCells(true);
217
218 //TAMBAH KOLOM TINJAUAN DI FORM INPUT
219 $t=77;
220 for ($i=0;$i<$jmlTinjauan;$i++) {
221     $t++;
222     $cell=chr($t)."1";
223
224     $FormSoal->getSheet(0)->setCellValue($cell, $nama_tinjauan[$i]);
225     $FormSoal->getSheet(0)->getColumnDimension(chr($t))->setWidth(30);
226
227     $FormSoal->getActiveSheet()->getComment($cell)->setWidth("400px");
228     $FormSoal->getActiveSheet()->getComment($cell)->setHeight("120px");
229     $FormSoal->getActiveSheet()->getComment($cell)->setAuthor('sopingi.com');
230     $komentarTinjauan =
231     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun('PETU
232     NJUK "TINJAUAN:');
233     $komentarTinjauan->getFont()->setBold(true);
234
235     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun("\r\n
236     ");
237
238     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun('Sila
239     hkan Pilih Nama Tinjauan menggunakan tombol dropdown');
240
241     //TAMBAH DROPDOWN
242     $col=chr(65+$i);
243     $akhir=($jmlSubTinjauan[$i]+1);
244
245     for ($n=2;$n<500;$n++) {
246         $validasiKunci
247         =$FormSoal->getSheet(0)->getCell(chr($t).$n)->getDataValidation();
248         $validasiKunci->setType( PHPEXcel_Cell_DataValidation::TYPE_LIST );
249         $validasiKunci->setErrorStyle( PHPEXcel_Cell_DataValidation::STYLE_STOP );
250         $validasiKunci->setAllowBlank(false);
251         $validasiKunci->setShowInputMessage(true);
252         $validasiKunci->setShowErrorMessage(true);
253         $validasiKunci->setShowDropDown(true);
254         $validasiKunci->setErrorTitle('Kesalahan');
255         $validasiKunci->setError('Nilai tidak ada di daftar');
256         $validasiKunci->setPromptTitle($nama_tinjauan[$i]);
257         $validasiKunci->setPrompt('Silahkan pilih tinjauan dari daftar');
258         $formulal="TINJAUAN!$".$col."$2:$".$col."$".$akhir;
259         $validasiKunci->setFormulal($formulal);
260
261         $FormSoal->getActiveSheet()->getStyle(chr($t).$n)->getAlignment()->setWrap
262         Text(true);
263     }
264 }
265
266 //SETTING KOMENTAR
267 $FormSoal->getActiveSheet()->getComment('B1')->setWidth("400px");
268 $FormSoal->getActiveSheet()->getComment('B1')->setHeight("120px");
269 $FormSoal->getActiveSheet()->getComment('B1')->setAuthor('sopingi.com');
270 $komentarKompetensi =
271 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('PETUNJUK
272 "JENIS KOMPETENSI:');
273 $komentarKompetensi->getFont()->setBold(true);
274 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun("\r\n");
275
276 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('Silahkan
277 Pilih Jenis Kompetensi menggunakan tombol dropdown.');
```

```

267 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun("\r\n");
268 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('Jika
Lebih dari satu pisahkan dengan tanda TITIK KOMA (;)');
269
270 $FormSoal->getActiveSheet()->getComment('C1')->setWidth("400px");
271 $FormSoal->getActiveSheet()->getComment('C1')->setHeight("120px");
272 $FormSoal->getActiveSheet()->getComment('C1')->setAuthor('sopingi.com');
273 $komentarReviewer =
$FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun('PETUNJUK
"REVIEWER:');
274 $komentarReviewer->getFont()->setBold(true);
275 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun("\r\n");
276 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun('Nama
Reviwer Diisi Oleh Penjaminan Mutu. ');
277 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun("\r\n");
278 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun('Jika
Lebih dari satu pisahkan dengan tanda TITIK KOMA (;)');
279
280 $FormSoal->getActiveSheet()->getComment('D1')->setWidth("400px");
281 $FormSoal->getActiveSheet()->getComment('D1')->setHeight("120px");
282 $FormSoal->getActiveSheet()->getComment('D1')->setAuthor('sopingi.com');
283 $komentarPenulis =
$FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('PETUNJUK
"PENULIS:');
284 $komentarPenulis->getFont()->setBold(true);
285 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun("\r\n");
286 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('Nama
Penulis Soal ');
287 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun("\r\n");
288 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('Jika
Lebih dari satu pisahkan dengan tanda TITIK KOMA (;)');
289
290 //SETTING DROPDOWN KOMPETENSI
291 for ($n=2;$n<500;$n++) {
292     $validasiKunci =$FormSoal->getSheet(0)->getCell('B'.$n)->getDataValidation();
293     $validasiKunci->setType( PHPExcel_Cell_DataValidation::TYPE_LIST );
294     $validasiKunci->setErrorStyle( PHPExcel_Cell_DataValidation::STYLE_STOP );
295     $validasiKunci->setAllowBlank(false);
296     $validasiKunci->setShowInputMessage(true);
297     $validasiKunci->setShowErrorMessage(true);
298     $validasiKunci->setShowDropDown(true);
299     $validasiKunci->setErrorTitle('Kesalahan');
300     $validasiKunci->setError('Nilai tidak ada di daftar');
301     $validasiKunci->setPromptTitle('Jenis Kompetensi');
302     $validasiKunci->setPrompt('Silahkan pilih dari daftar');
303     $validasiKunci->setFormulal('JENIS_KOMPETENSI!$A$2:$A$'.$jmlKompetensi+1);
304 }
305
306 //SETTING DROPDOWN KUNCI
307 for ($n=2;$n<500;$n++) {
308     $validasiKunci =$FormSoal->getSheet(0)->getCell('M'.$n)->getDataValidation();
309     $validasiKunci->setType( PHPExcel_Cell_DataValidation::TYPE_LIST );
310     $validasiKunci->setErrorStyle( PHPExcel_Cell_DataValidation::STYLE_STOP );
311     $validasiKunci->setAllowBlank(false);
312     $validasiKunci->setShowInputMessage(true);
313     $validasiKunci->setShowErrorMessage(true);
314     $validasiKunci->setShowDropDown(true);
315     $validasiKunci->setErrorTitle('Kesalahan');
316     $validasiKunci->setError('Nilai tidak ada di daftar');
317     $validasiKunci->setPromptTitle('KUNCI');
318     $validasiKunci->setPrompt('Silahkan pilih dari daftar');
319     $validasiKunci->setFormulal('KUNCI!$A$2:$A$6');
320 }
321
322 //HIDDEN SHEET
323 $FormSoal->getSheet(1)->setSheetState(PHPExcel_Worksheet::SHEETSTATE_VERYHIDDEN);
324 $FormSoal->getSheet(2)->setSheetState(PHPExcel_Worksheet::SHEETSTATE_VERYHIDDEN);
325 $FormSoal->getSheet(3)->setSheetState(PHPExcel_Worksheet::SHEETSTATE_VERYHIDDEN);
326
327 // Redirect output to a client's web browser (Excel2007)
328 header('Content-Type:
application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');

```

```

329 header('Content-Disposition: attachment;filename="Format-Soal.xlsm"');
330 header('Cache-Control: max-age=0');
331 // If you're serving to IE 9, then the following may be needed
332 header('Cache-Control: max-age=1');
333
334 header('Last-Modified: '.gmdate('D, d M Y H:i:s').' GMT'); // always modified
335 header('Cache-Control: cache, must-revalidate'); // HTTP/1.1
336 header('Pragma: public'); // HTTP/1.0
337
338 $objWriter = PHPExcel_IOFactory::createWriter($FormSoal, 'Excel2007');
339 $objWriter->save('php://output');
340 exit;
341
342 } else if ($aksi=="importXLSX") {
343
344     error_reporting(E_ALL);
345     set_time_limit(0);
346     date_default_timezone_set('Asia/Jakarta');
347
348     require_once dirname(__FILE__) . '/../lib/excel/PHPExcel/IOFactory.php';
349
350     $inputFileName = './soalXLSX/SOAL_IMPORT.xlsm';
351
352     // $objReader = new PHPExcel_Reader_Excel5();
353     $objReader = new PHPExcel_Reader_Excel2007();
354     // $objReader = new PHPExcel_Reader_Excel2003XML();
355     // $objReader = new PHPExcel_Reader_OOCalc();
356     // $objReader = new PHPExcel_Reader_SYLK();
357     // $objReader = new PHPExcel_Reader_Gnumeric();
358     // $objReader = new PHPExcel_Reader_CSV();
359     $objPHPExcel = $objReader->load($inputFileName);
360
361     $sheetData = $objPHPExcel->getActiveSheet()->toArray("", true, true, true);
362
363     /*
364     echo "<pre>";
365     print_r($sheetData);
366     echo $sheetData[2]['A']."-";
367     echo $sheetData[2]['B'];
368     echo "</pre>";
369
370     //exit();
371     */
372
373     $db = koneksi();
374     $berhasil = array();
375     $gagal = array();
376     $kosong = array();
377     $ke = 0;
378     foreach ($sheetData as $dataSoal) {
379         if ($ke>0) {
380             $kolomKosong=0;
381             $jmlKolom=count($dataSoal);
382             foreach ($dataSoal as $itemSoal) {
383                 if ($itemSoal==" " || $itemSoal==NULL) {
384                     $kolomKosong++;
385                 }
386             }
387
388             if ($kolomKosong==0) {
389
390                 try {
391                     $sqlTerakhir = "select max(right(id_soal,5)) as terakhir from
392                                     sopingi_soal";
393                     $eksTerakhir = $db->query($sqlTerakhir);
394                     $hasilTerakhir = $eksTerakhir->fetch(PDO::FETCH_OBJ);
395
396                     if ($hasilTerakhir->terakhir<9) {
397                         $urut="0000".($hasilTerakhir->terakhir+1);
398                     } else if ($hasilTerakhir->terakhir<99) {
399                         $urut="000".($hasilTerakhir->terakhir+1);
400                     } else if ($hasilTerakhir->terakhir<999) {

```

```

400         $urut="00".($hasilTerakhir->terakhir+1);
401     } else if ($hasilTerakhir->terakhir<9999) {
402         $urut="0".($hasilTerakhir->terakhir+1);
403     } else {
404         $urut=($hasilTerakhir->terakhir+1);
405     }
406
407     $id_soal="S".$urut;
408 } catch (PDOException $salah) {
409     $hasil['berhasil']=0;
410     $hasil['pesan']="Gagal Simpan.
411     Kesalahan:<br>".$salah->getMessage();
412     exit(json_encode($hasil));
413 }
414
415 // $eKey=substr(sha1(md5($id_soal)).md5("sopingi.com"),1,64);
416 $eKey=md5($id_soal);
417 $soal['vignette']=$dataSoal['F'];
418 $soal['pertanyaan']=$dataSoal['G'];
419 $soal['kunci']=$dataSoal['M'];
420 $asoa=cbt_encrypt(json_encode($soal),$eKey);
421 /*
422 $jawaban['A']=$dataSoal['H'];
423 $jawaban['B']=$dataSoal['I'];
424 $jawaban['C']=$dataSoal['J'];
425 $jawaban['D']=$dataSoal['K'];
426 $jawaban['E']=$dataSoal['L'];
427 */
428 $jawaban['A']=array("text"=>$dataSoal['H'], "gbr"=>null);
429 $jawaban['B']=array("text"=>$dataSoal['I'], "gbr"=>null);
430 $jawaban['C']=array("text"=>$dataSoal['J'], "gbr"=>null);
431 $jawaban['D']=array("text"=>$dataSoal['K'], "gbr"=>null);
432 $jawaban['E']=array("text"=>$dataSoal['L'], "gbr"=>null);
433 $ajawaban=cbt_encrypt(json_encode($jawaban),$eKey);
434
435 $jmlKolomTinjauan = $jmlKolom-13;
436 $t=77;
437 $atinjauan=array();
438 for ($i=1;$i<=$jmlKolomTinjauan;$i++) {
439     $t++;
440     $tinjauan=explode("|",$dataSoal[chr($t)]);
441     $aItemTinjauan=explode("-",$tinjauan[1]);
442     $atinjauan[$aItemTinjauan[0]]=trim($tinjauan[1]);
443 }
444 $jsonTinjauan=json_encode($atinjauan);
445
446 $kompetensi=explode(";", $dataSoal['B']);
447 $akompetensi=array();
448 foreach ($kompetensi as $itemKompetensi) {
449     $aItemKompetensi=explode("|",$itemKompetensi);
450     $akompetensi[]=trim($aItemKompetensi[1]);
451 }
452 $jsonKompetensi=json_encode($akompetensi);
453
454 $jsonPenulis=json_encode(explode(";", $dataSoal['D']));
455 $jsonReviewer=json_encode(explode(";", $dataSoal['C']));
456 $referensi=$dataSoal['E'];
457
458 $sql = "insert into sopingi_soal
459 values('$id_soal','$asoa','$ajawaban','$jsonTinjauan','$jsonKompetensi',
460 '$jsonPenulis','$jsonReviewer','$referensi')";
461 try {
462     $eksekusi = $db->query($sql);
463     $berhasil[]=array("ke"=>$ke, "pertanyaan"=>$dataSoal['G']);
464 } catch (PDOException $salah) {
465     $gagal[]=array("ke"=>$ke, "pertanyaan"=>$dataSoal['G'], "salah"=>$salah->getMessage());
466 }

```



```

467         } else if ($kolomKosong<$jmlKolom) {
468             $kosong[]=array("ke"=>$ke,"pertanyaan"=>$dataSoal['G']);
469         }
470     } //if ke
471 } //foreach sheetData
472
473 $ke++;
474
475 } //foreach sheetData
476
477 $db = null;
478
479 $hasil=array("berhasil"=>$berhasil,"gagal"=>$gagal,"kosong"=>$kosong);
480 echo json_encode($hasil);
481 unlink('./soalXLSX/SOAL_IMPORT.xlsm');
482
483 } else if ($aksi=="upload") {
484     $file = $_FILES['upload'];
485     $fileTypes = array('xslm','XLSM');
486     $fileParts = pathinfo($file["name"]);
487     if (in_array($fileParts['extension'],$fileTypes)) {
488         $destination = realpath('./soalXLSX');
489         $namafile = "SOAL_IMPORT.xlsm";
490         $filename = $destination."/". $namafile;
491         $hasil = move_uploaded_file($file["tmp_name"], $filename);
492         if ($hasil) {
493             echo json_encode(array('status'=>'server','nama_file'=>$namafile));
494         } else {
495             echo json_encode(array('status'=>'error'));
496         }
497     } else {
498         echo json_encode(array('status'=>'error'));
499     }
500 }

```

```

1  <?php
2  include 'login_auth.php' ;
3
4  if ($aksi=="tampil") {
5      $sql = "select * FROM sopingi_subtinjauan, sopingi_tinjauan where
6      sopingi_subtinjauan.id_tinjauan=sopingi_tinjauan.id_tinjauan" ;
7      try {
8          $db          = koneksi();
9          $eksekusi    = $db->query($sql);
10         $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
11         $db = null;
12         echo json_encode($hasil);
13     } catch (PDOException $salah) {
14         echo '{"error":{"text":'. $salah->getMessage() .'}}';
15     }
16 } else if ($aksi=="tambah") {
17     $id_tinjauan=$data->id_tinjauan;
18     try {
19         $db          = koneksi();
20         $sqlTerakhir = "select max(right(id_subtinjauan,2)) as terakhir from
21         sopingi_subtinjauan where id_tinjauan='$id_tinjauan'";
22         $eksTerakhir  = $db->query($sqlTerakhir);
23         $hasilTerakhir = $eksTerakhir->fetch(PDO::FETCH_OBJ);
24
25         if ($hasilTerakhir->terakhir<9) {
26             $urut="0".($hasilTerakhir->terakhir+1);
27         } else {
28             $urut=($hasilTerakhir->terakhir+1);
29         }
30         $id_subtinjauan=$id_tinjauan."-".$urut;
31     } catch (PDOException $salah) {
32         $hasil['berhasil']=0;
33         $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
34         exit(json_encode($hasil));
35     }
36     $nama_subtinjauan=$data->nama_subtinjauan;
37     $prosen_min=$data->prosen_min;
38     $prosen_max=$data->prosen_max;
39     $sql = "insert into sopingi_subtinjauan
40     values('$id_subtinjauan', '$id_tinjauan', '$nama_subtinjauan', '$prosen_min', $prosen_
41     max)";
42     try {
43         $eksekusi    = $db->query($sql);
44         $hasil['berhasil']=1;
45         $hasil['pesan']="Berhasil Simpan";
46         echo json_encode($hasil);
47         $db = null;
48     } catch (PDOException $salah) {
49         $hasil['berhasil']=0;
50         $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
51         echo json_encode($hasil);
52     }
53 } else if ($aksi=="ubah") {
54     $id_subtinjauan=$data->id_subtinjauan;
55     $id_tinjauan=$data->id_tinjauan;
56     $nama_subtinjauan=$data->nama_subtinjauan;
57     $prosen_min=$data->prosen_min;
58     $prosen_max=$data->prosen_max;
59     $sql = "update sopingi_subtinjauan set
60     id_tinjauan='$id_tinjauan', nama_subtinjauan='$nama_subtinjauan',
61     prosen_min='$prosen_min', prosen_max='$prosen_max' where
62     id_subtinjauan='$id_subtinjauan'";
63     try {
64         $db          = koneksi();
65         $eksekusi    = $db->query($sql);
66         $db = null;
67         $hasil['berhasil']=1;
68         $hasil['pesan']="Berhasil Ubah";
69         echo json_encode($hasil);
70     } catch (PDOException $salah) {

```

```

66     $hasil['berhasil']=0;
67     $hasil['pesan']="Gagal Ubah. Kesalahan:<br>".$salah->getMessage();
68     echo json_encode($hasil);
69 }
70 } else if ($aksi=="hapus") {
71     $id_subtinjauan=$data->id_subtinjauan;
72     $nama_subtinjauan=$data->nama_subtinjauan;
73     $sql = "delete from sopingi_subtinjauan where id_subtinjauan=' $id_subtinjauan'";
74     try {
75         $db          = koneksi();
76         $eksekusi    = $db->query($sql);
77         $db = null;
78         $hasil['berhasil']=1;
79         $hasil['pesan']="Berhasil Hapus";
80         echo json_encode($hasil);
81     } catch (PDOException $salah) {
82         $hasil['berhasil']=0;
83         $hasil['pesan']="Gagal Hapus. Kesalahan:<br>".$salah->getMessage();
84         echo json_encode($hasil);
85     }
86 } else if ($aksi=="tinjauan") {
87     $sql = "select * FROM sopingi_tinjauan";
88     try {
89         $db          = koneksi();
90         $eksekusi    = $db->query($sql);
91         $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
92         $db = null;
93         $jhasil =count($hasil);
94         $ahasil=array();
95         for ($i=0;$i<$jhasil;$i++) {
96             $ahasil[$i]=['id'=>$hasil[$i]->id_tinjauan,'value'=>$hasil[$i]->nama_tinjan];
97         }
98         echo json_encode($ahasil);
99     } catch (PDOException $salah) {
100         echo '{"error":{"text":'." $salah->getMessage() .'}}';
101     }
102 }

```

```

1  <?php
2  include 'login_auth.php';
3
4  if ($aksi=="tampil") {
5      $sql = "select * FROM sopingi_tinjauan";
6      try {
7          $db = koneksi();
8          $seksekusi = $db->query($sql);
9          $hasil = $seksekusi->fetchAll(PDO::FETCH_OBJ);
10         $db = null;
11         echo json_encode($hasil);
12     } catch (PDOException $salah) {
13         echo '{"error":{"text":'. $salah->getMessage() .'}}';
14     }
15 } else if ($aksi=="tambah") {
16
17     try {
18         $db = koneksi();
19         $sqlTerakhir = "select max(right(id_tinjauan,2)) as terakhir from
20             sopingi_tinjauan";
21         $seksTerakhir = $db->query($sqlTerakhir);
22         $hasilTerakhir = $seksTerakhir->fetch(PDO::FETCH_OBJ);
23
24         if ($hasilTerakhir->terakhir<9) {
25             $urut="0".($hasilTerakhir->terakhir+1);
26         } else {
27             $urut=($hasilTerakhir->terakhir+1);
28         }
29
30         $id_tinjauan="T".$urut;
31     } catch (PDOException $salah) {
32         $hasil['berhasil']=0;
33         $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
34         exit(json_encode($hasil));
35     }
36
37     $nama_tinjauan=$data->nama_tinjauan;
38     $sql = "insert into sopingi_tinjauan values('$id_tinjauan','$nama_tinjauan')";
39     try {
40         $seksekusi = $db->query($sql);
41         $hasil['berhasil']=1;
42         $hasil['pesan']="Berhasil Simpan";
43         echo json_encode($hasil);
44         $db = null;
45     } catch (PDOException $salah) {
46         $hasil['berhasil']=0;
47         $hasil['pesan']="Gagal Simpan. Kesalahan:<br>". $salah->getMessage();
48         echo json_encode($hasil);
49     }
50 } else if ($aksi=="ubah") {
51     $id_tinjauan=$data->id_tinjauan;
52     $nama_tinjauan=$data->nama_tinjauan;
53     $sql = "update sopingi_tinjauan set nama_tinjauan='$nama_tinjauan' where
54         id_tinjauan='$id_tinjauan'";
55     try {
56         $db = koneksi();
57         $seksekusi = $db->query($sql);
58         $db = null;
59         $hasil['berhasil']=1;
60         $hasil['pesan']="Berhasil Ubah";
61         echo json_encode($hasil);
62     } catch (PDOException $salah) {
63         $hasil['berhasil']=0;
64         $hasil['pesan']="Gagal Ubah. Kesalahan:<br>". $salah->getMessage();
65         echo json_encode($hasil);
66     }
67 } else if ($aksi=="hapus") {
68     $id_tinjauan=$data->id_tinjauan;
69     $nama_tinjauan=$data->nama_tinjauan;
70     $sql = "delete from sopingi_tinjauan where id_tinjauan='$id_tinjauan'";
71     try {
72         $db = koneksi();

```

```
71     $eksekusi = $db->query($sql);
72     $db = null;
73     $hasil['berhasil']=1;
74     $hasil['pesan']="Berhasil Hapus";
75     echo json_encode($hasil);
76 } catch (PDOException $salah) {
77     $hasil['berhasil']=0;
78     $hasil['pesan']="Gagal Hapus. Kesalahan:<br>".$salah->getMessage();
79     echo json_encode($hasil);
80 }
81 }
```

```

1  <?php
2  include 'login_auth.php';
3
4  if ($aksi=="tampil") {
5      $sql = "select * FROM sopingi_setting where id_setting='waktu'";
6      try {
7          $db          = koneksi();
8          $eksekusi    = $db->query($sql);
9          $hasil       = $eksekusi->fetchAll(PDO::FETCH_OBJ);
10         $db = null;
11         echo json_encode($hasil);
12     } catch (PDOException $salah) {
13         echo '{"error":{"text":'. $salah->getMessage() .'}}';
14     }
15 } else if ($aksi=="ubah") {
16     $waktu          = clean($data->waktu)*60*1000;
17     $sql = "update sopingi_setting set nilai_setting='$waktu' where
18     id_setting='waktu'";
19     try {
20         $db          = koneksi();
21         $eksekusi    = $db->query($sql);
22         $db = null;
23         if($eksekusi->rowCount()>0) {
24             $hasil['berhasil']=1;
25             $hasil['pesan']="Berhasil Ubah";
26         } else {
27             $hasil['berhasil']=0;
28             $hasil['pesan']="Tidak ada perubahan waktu";
29         }
30         echo json_encode($hasil);
31     } catch (PDOException $salah) {
32         $hasil['berhasil']=0;
33         $hasil['pesan']="Gagal Ubah. Kesalahan:<br>". $salah->getMessage();
34         echo json_encode($hasil);
35     }
36 }

```

```

1  <?php //include "config.php"?>
2  <!DOCTYPE html>
3  <html>
4      <head>
5          <meta charset="utf-8">
6          <title>Login | Server CBT</title>
7          <script type="text/javascript" src="lib/jquery-1.7.1.min.js"></script>
8          <script type="text/javascript" src="lib/backbone/underscore.js"></script>
9          <script type="text/javascript" src="lib/backbone/backbone.js"></script>
10         <link rel="stylesheet" type="text/css" href="lib/webix.css">
11         <link rel="stylesheet" type="text/css" href="lib/cbt.css">
12         <link rel="stylesheet" href="lib/skins/compact.css" type="text/css"
13             media="screen" charset="utf-8">
14         <script src="lib/webix.js" type="text/javascript" charset="utf-8"></script>
15     </head>
16     <body class="app_wsia" bgcolor="#500758">
17         <br>
18         <center>
19         
20         </center>
21         <div id="areaLogin"></div>
22
23         <script type="text/javascript" charset="utf-8">
24             webix.ui({
25                 container:"areaLogin",
26                 view:"form",
27                 id:"formLogin",
28                 css:"formLogin",
29                 scroll:false,
30                 width:350,
31                 borderless:true,
32                 elements:[
33                     { view:"fieldset", label:"Silahkan Login", body:{
34                         rows:[
35                             { view:"text", id:"user", name:"user",
36                                 label:"Username", labelWidth: 100},
37                             { view:"text", id:"pass", name:"pass", type:"password",
38                                 label:"Password", labelWidth: 100},
39                             { view:"text", id:"domain", name:"domain",value:"<?php
40                                 echo $domain;?>", hidden:true},
41                             { margin:5, cols:[
42                                 { view:"button", id:"masuk", label:"Masuk" ,
43                                     type:"form" }
44                             ]}
45                         ]}
46                     ]
47                 });
48
49                 //event
50                 $$("masuk").attachEvent("onItemClick", function(id, e){
51                     dataKirim = JSON.stringify($$("formLogin").getValues());
52                     proses_tampil();
53                     webix.ajax().post("<?php echo $domain;?>/login", dataKirim,
54                         function(response, data, xhr){
55                             proses_hide();
56                             hasil=JSON.parse(response);
57                             if (hasil.berhasil) {
58                                 webix.message(hasil.pesan);
59                                 webix.storage.session.put('path', { domain: hasil.domain,
60                                     cbtrand: hasil.cbtrand, user: hasil.user });
61                                 $$("formLogin").disable();
62                                 window.location=hasil.domain;
63                             } else {
64                                 webix.message(hasil.pesan);
65                             }
66                         }
67                     });
68                 });
69
70                 //adding ProgressBar functionality to layout
71                 webix.extend($$("formLogin"), webix.ProgressBar);

```

```
66
67     function proses_tampil(){
68         $$("formLogin").disable();
69         $$("formLogin").showProgress({
70             type:"icon",
71             icon:"cog"
72         });
73     }
74
75     function proses_hide() {
76         $$("formLogin").enable();
77         $$("formLogin").hideProgress();
78     }
79
80     </script>
81 </body>
82 </html>
```



```
1 <?php include 'login_auth.php' ; ?>
2 <!DOCTYPE html>
3 <html>
4   <head>
5     <meta charset="utf-8">
6     <title>CBT - Ujian TryOut RMIK</title>
7     <script type="text/javascript" src="lib/jquery-1.7.1.min.js"></script>
8     <script type="text/javascript" src="lib/backbone/underscore.js"></script>
9     <script type="text/javascript" src="lib/backbone/backbone.js"></script>
10    <link rel="stylesheet" type="text/css" href="lib/webix.css">
11    <link rel="stylesheet" type="text/css" href="lib/cbt.css">
12    <link rel="stylesheet" href="lib/skins/compact.css" type="text/css"
13    media="screen" charset="utf-8">
14    <script src="lib/webix.js" type="text/javascript" charset="utf-8"></script>
15    <script type="text/javascript">
16      webix.require.disabled = true;
17      webix.codebase = "lib/components/ckeditor/";
18      window.CKEDITOR_BASEPATH = webix.codebase+"ckeditor/";
19    </script>
20
21    <script src="lib/components/ckeditor/ckeditor.js"></script>
22    <script src="lib/components/ckeditor/ckeditor/ckeditor.js"></script>
23  </head>
24  <body class="app_cbt" bgcolor="#340e0e">
25  </body>
26  <script src="lib/cbt_routes.sopingi.js"></script>
27  <script src="lib/cbt.sopingi.js"></script>
28  <script src="lib/cbt_action.sopingi.js"></script>
29 </html>
```

```

1  <?php
2  include 'login_auth.php' ;
3
4  if ($aksi=='formatXLSX') {
5
6      /** Error reporting */
7      error_reporting(E_ALL);
8      ini_set('display_errors', TRUE);
9      ini_set('display_startup_errors', TRUE);
10     date_default_timezone_set('Asia/Jakarta');
11
12     if (PHP_SAPI == 'cli')
13         die('Hanya dapat dijalankan melalui Web Browser');
14
15     /** Include PHPExcel */
16     require_once dirname(__FILE__) . '/../lib/excel/PHPExcel.php';
17
18
19     // Create new PHPExcel object
20     $FormSoal = new PHPExcel();
21
22     // Set document properties
23     $FormSoal->getProperties()->setCreator("www.sopingi.com")
24                                     ->setLastModifiedBy("www.sopingi.com")
25                                     ->setTitle("Form Soal UKom")
26                                     ->setSubject("CBT Ujian Try Out Kompetensi Perexam
27                                     Medis")
28                                     ->setDescription("Form untuk input soal ke database
29                                     CBT Ujian Try Out Kompetensi Perexam Medis.")
30                                     ->setKeywords("CBT Ujian Try Out Kompetensi Perexam
31                                     Medis")
32                                     ->setCategory("aptiRMik");
33
34     //FORM INPUT
35     $FormSoal->setActiveSheetIndex(0)
36                 ->setCellValue('A1', 'No Urut')
37                 ->setCellValue('B1', 'Jenis Kompetensi')
38                 ->setCellValue('C1', 'Reviewer')
39                 ->setCellValue('D1', 'Penulis')
40                 ->setCellValue('E1', 'Referensi')
41                 ->setCellValue('F1', 'Vignette')
42                 ->setCellValue('G1', 'Pertanyaan')
43                 ->setCellValue('H1', 'Opsi A')
44                 ->setCellValue('I1', 'Opsi B')
45                 ->setCellValue('J1', 'Opsi C')
46                 ->setCellValue('K1', 'Opsi D')
47                 ->setCellValue('L1', 'Opsi E')
48                 ->setCellValue('M1', 'Kunci');
49
50     $styleJudul = array(
51         'font' => array(
52             'bold' => true,
53         ),
54         'alignment' => array(
55             'horizontal' => PHPExcel_Style_Alignment::HORIZONTAL_CENTER,
56         ),
57         'borders' => array(
58             'allborders' => array(
59                 'style' => PHPExcel_Style_Border::BORDER_THIN,
60             ),
61         ),
62         'fill' => array(
63             'type' => PHPExcel_Style_Fill::FILL_GRADIENT_LINEAR,
64             'rotation' => 90,
65             'startcolor' => array(
66                 'argb' => 'FFA0A0A0',
67             ),
68             'endcolor' => array(
69                 'argb' => 'FFFFFF',
70             ),
71         ),
72     );

```

```

70
71 $FormSoal->getActiveSheet()->getStyle('A1:S1')->applyFromArray($styleJudul);
72
73 $styleIsi = array(
74     'font' => array(
75         'bold' => false,
76     ),
77     'alignment' => array(
78         'horizontal' => PHPExcel_Style_Alignment::HORIZONTAL_LEFT,
79         'vertical' => PHPExcel_Style_Alignment::VERTICAL_TOP,
80     ),
81     'borders' => array(
82         'allborders' => array(
83             'style' => PHPExcel_Style_Border::BORDER_THIN,
84         ),
85     ),
86 );
87
88 $FormSoal->getActiveSheet()->getStyle('A2:S2')->applyFromArray($styleIsi);
89
90 $FormSoal->getActiveSheet()->getColumnDimension('A')->setWidth(8);
91 $FormSoal->getActiveSheet()->getColumnDimension('B')->setWidth(30);
92 $FormSoal->getActiveSheet()->getColumnDimension('C')->setWidth(30);
93 $FormSoal->getActiveSheet()->getColumnDimension('D')->setWidth(30);
94 $FormSoal->getActiveSheet()->getColumnDimension('E')->setWidth(40);
95 $FormSoal->getActiveSheet()->getColumnDimension('F')->setWidth(60);
96 $FormSoal->getActiveSheet()->getColumnDimension('G')->setWidth(70);
97 $FormSoal->getActiveSheet()->getColumnDimension('H')->setWidth(40);
98 $FormSoal->getActiveSheet()->getColumnDimension('I')->setWidth(40);
99 $FormSoal->getActiveSheet()->getColumnDimension('J')->setWidth(40);
100 $FormSoal->getActiveSheet()->getColumnDimension('K')->setWidth(40);
101 $FormSoal->getActiveSheet()->getColumnDimension('L')->setWidth(40);
102 $FormSoal->getActiveSheet()->getColumnDimension('M')->setWidth(5);
103
104 $FormSoal->getActiveSheet()->getRowDimension('2')->setRowHeight(180);
105 // Rename worksheet
106 $FormSoal->getActiveSheet()->setTitle('INPUT SOAL');
107
108 // Set active sheet index to the first sheet, so Excel opens this as the first
109 // sheet
110 $FormSoal->setActiveSheetIndex(0);
111
112 //SHEET 2 Kompetensi
113 $kompetensi = new PHPExcel_Worksheet($FormSoal, 'JENIS_KOMPETENSI');
114 $FormSoal->addSheet($kompetensi, 1);
115 $FormSoal->getSheet(1)->setCellValue('A1', "ID KOMPETENSI");
116 $FormSoal->getSheet(1)->setCellValue('B1', "NAMA KOMPETENSI");
117 $sql = "select * FROM sopingi_kompetensi";
118 try {
119     $db = koneksi();
120     $eksekusi = $db->query($sql);
121     $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
122     $jmlKompetensi=$eksekusi->rowCount();
123     $db = null;
124     $i=1;
125     foreach ($hasil as $itemKompetensi) {
126         $i++;
127         $FormSoal->getSheet(1)->setCellValue('A'.$i,
128             $itemKompetensi->id_kompetensi);
129         $FormSoal->getSheet(1)->setCellValue('B'.$i,
130             $itemKompetensi->nama_kompetensi);
131     }
132 } catch (PDOException $salah) {
133     exit($salah->getMessage());
134 }
135 $FormSoal->getSheet(1)->getProtection()->setSheet(true);
136
137 //SHEET 3 Kunci
138 $kunci = new PHPExcel_Worksheet($FormSoal, 'KUNCI');
139 $FormSoal->addSheet($kunci, 2);
140 $FormSoal->getSheet(2)->setCellValue('A1', "KUNCI");

```

```

139 $FormSoal->getSheet(2)->setCellValue('A2', "A");
140 $FormSoal->getSheet(2)->setCellValue('A3', "B");
141 $FormSoal->getSheet(2)->setCellValue('A4', "C");
142 $FormSoal->getSheet(2)->setCellValue('A5', "D");
143 $FormSoal->getSheet(2)->setCellValue('A6', "E");
144 $FormSoal->getSheet(2)->getProtection()->setSheet(true);
145
146 //SHEET 4 Tinjauan
147 $tinjauan = new PHPExcel_Worksheet($FormSoal, 'TINJAUAN');
148 $FormSoal->addSheet($tinjauan, 3);
149 $FormSoal->getSheet(3)->setCellValue('A1', "ID KOMPETENSI");
150 $FormSoal->getSheet(3)->setCellValue('B1', "NAMA KOMPETENSI");
151
152 $sql = "select * FROM sopingi_tinjauan";
153 try {
154     $db = koneksi();
155     $eksekusi = $db->query($sql);
156     $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
157     $jmlTinjauan=$eksekusi->rowCount();
158     $jmlSubTinjauan=array();
159     $nama_tinjauan=array();
160     $i=63;
161     foreach ($hasil as $itemTinjauan) {
162         $i+=2;
163         $nama_tinjauan[]=$itemTinjauan->nama_tinjauan;
164         $FormSoal->getSheet(3)->setCellValue(chr($i).'1',
165             $itemTinjauan->nama_tinjauan);
166         $id_tinjauan=$itemTinjauan->id_tinjauan;
167         $sqlSub = "select * FROM sopingi_subtinjauan where
168             id_tinjauan='$id_tinjauan' ";
169         $eksekusiSub = $db->query($sqlSub);
170         $hasilSub = $eksekusiSub->fetchAll(PDO::FETCH_OBJ);
171         $jmlSubTinjauan[]=$eksekusiSub->rowCount();
172         $j=1;
173         foreach ($hasilSub as $itemSubTinjauan) {
174             $j++;
175             $FormSoal->getSheet(3)->setCellValue(chr($i).$j,
176                 $itemSubTinjauan->id_subtinjauan);
177             $FormSoal->getSheet(3)->setCellValue(chr($i+1).$j,
178                 $itemSubTinjauan->nama_subtinjauan);
179         }
180         $FormSoal->getSheet(3)->mergeCells(chr($i).'1':'.chr($i+1).'1');
181     }
182     $db = null;
183 } catch (PDOException $salah) {
184     exit($salah->getMessage());
185 }
186 $FormSoal->getSheet(3)->getProtection()->setSheet(true);
187
188 //TAMBAH KOLOM TINJAUAN DI FORM INPUT
189 $t=77;
190 for ($i=0;$i<$jmlTinjauan;$i++) {
191     $t++;
192     $cell=chr($t)."1";
193
194     $FormSoal->getSheet(0)->setCellValue($cell, $nama_tinjauan[$i]);
195     $FormSoal->getSheet(0)->getColumnDimension(chr($t))->setWidth(30);
196
197     $FormSoal->getActiveSheet()->getComment($cell)->setWidth("400px");
198     $FormSoal->getActiveSheet()->getComment($cell)->setHeight("120px");
199     $FormSoal->getActiveSheet()->getComment($cell)->setAuthor('sopingi.com');
200     $komentarTinjauan =
201     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun('PETU
202     NJUK "TINJAUAN":');
203     $komentarTinjauan->getFont()->setBold(true);
204
205     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun("\r\n
206     ");
207
208     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun('Sila
209     hkan Pilih Nama Tinjauan menggunakan tombol dropdown');

```

```

201 //TAMBAH DROPDOWN
202 $col=chr(66+($i*2));
203 $akhir=( $jmlSubTinjauan[$i]+1);
204
205 for ($n=2;$n<200;$n++) {
206     $validasiKunci
207     =$FormSoal->getSheet(0)->getCell(chr($t).$n)->getDataValidation();
208     $validasiKunci->setType( PHPEXcel_Cell_DataValidation::TYPE_LIST );
209     $validasiKunci->setErrorStyle( PHPEXcel_Cell_DataValidation::STYLE_STOP );
210     $validasiKunci->setAllowBlank(false);
211     $validasiKunci->setShowInputMessage(true);
212     $validasiKunci->setShowErrorMessage(true);
213     $validasiKunci->setShowDropDown(true);
214     $validasiKunci->setErrorTitle('Kesalahan');
215     $validasiKunci->setError('Nilai tidak ada di daftar');
216     $validasiKunci->setPromptTitle($nama_tinjauan[$i]);
217     $validasiKunci->setPrompt('Silahkan pilih tinjauan dari daftar');
218     $formulal="TINJAUAN!$".$col."$2:$".$col."$".$akhir;
219     $validasiKunci->setFormulal($formulal);
220 }
221 }
222
223
224 //SETTING KOMENTAR
225 $FormSoal->getActiveSheet()->getComment('B1')->setWidth("400px");
226 $FormSoal->getActiveSheet()->getComment('B1')->setHeight("120px");
227 $FormSoal->getActiveSheet()->getComment('B1')->setAuthor('sopingi.com');
228 $komentarKompetensi =
229 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('PETUNJUK
230 "JENIS KOMPETENSI:');
231 $komentarKompetensi->getFont()->setBold(true);
232 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun("\r\n");
233 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('Nama
234 Jenis Kompetensi HARUS sama persis dengan Sheet JENIS_KOMPETENSI. ');
235 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun("\r\n");
236 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('Jika
237 Lebih dari satu pisahkan dengan tanda koma (, ) ');
238
239 $FormSoal->getActiveSheet()->getComment('C1')->setWidth("400px");
240 $FormSoal->getActiveSheet()->getComment('C1')->setHeight("120px");
241 $FormSoal->getActiveSheet()->getComment('C1')->setAuthor('sopingi.com');
242 $komentarReviewer =
243 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun('PETUNJUK
244 "REVIEWER:');
245 $komentarReviewer->getFont()->setBold(true);
246 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun("\r\n");
247 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun('Nama
248 Reviwer Diisi Oleh Penjaminan Mutu. ');
249 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun("\r\n");
250 $FormSoal->getActiveSheet()->getComment('C1')->getText()->createTextRun('Jika
251 Lebih dari satu pisahkan dengan tanda koma (, ) ');
252
253 $FormSoal->getActiveSheet()->getComment('D1')->setWidth("400px");
254 $FormSoal->getActiveSheet()->getComment('D1')->setHeight("120px");
255 $FormSoal->getActiveSheet()->getComment('D1')->setAuthor('sopingi.com');
256 $komentarPenulis =
257 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('PETUNJUK
258 "PENULIS:');
259 $komentarPenulis->getFont()->setBold(true);
260 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun("\r\n");
261 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('Nama
262 Penulis Soal ');
263 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun("\r\n");
264 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('Jika
265 Lebih dari satu pisahkan dengan tanda koma(, ) ');
266
267 //SETTING DROPDOWN KUNCI
268 for ($n=2;$n<200;$n++) {
269     $validasiKunci =$FormSoal->getSheet(0)->getCell('M'.$n)->getDataValidation();

```

```

260     $validasiKunci->setType( PHPExcel_Cell_DataValidation::TYPE_LIST );
261     $validasiKunci->setErrorStyle( PHPExcel_Cell_DataValidation::STYLE_STOP );
262     $validasiKunci->setAllowBlank( false );
263     $validasiKunci->setShowInputMessage( true );
264     $validasiKunci->setShowErrorMessage( true );
265     $validasiKunci->setShowDropDown( true );
266     $validasiKunci->setErrorTitle( 'Kesalahan' );
267     $validasiKunci->setError( 'Nilai tidak ada di daftar' );
268     $validasiKunci->setPromptTitle( 'KUNCI' );
269     $validasiKunci->setPrompt( 'Silahkan pilih dari daftar' );
270     $validasiKunci->setFormulal( 'KUNCI!$A$2:$A$6' );
271 }
272
273 // Redirect output to a client's web browser (Excel2007)
274 header('Content-Type:
application/vnd.openxmlformats-officedocument.spreadsheetml.sheet' );
275 header('Content-Disposition: attachment;filename="Format-Soal.xlsx" ');
276 header('Cache-Control: max-age=0' );
277 // If you're serving to IE 9, then the following may be needed
278 header('Cache-Control: max-age=1' );
279
280 header ( 'Last-Modified: ' . gmdate( 'D, d M Y H:i:s' ) . ' GMT' ); // always modified
281 header ( 'Cache-Control: cache, must-revalidate' ); // HTTP/1.1
282 header ( 'Pragma: public' ); // HTTP/1.0
283
284 $objWriter = PHPExcel_IOFactory::createWriter($FormSoal, 'Excel2007' );
285 $objWriter->save( 'php://output' );
286 exit;
287
288 }
289
290 if ($aksi=="tampil" ) {
291     $sql = "select * FROM sopingi_soal order by id_soal desc";
292     try {
293         $db          = koneksi();
294         $eksekusi    = $db->query($sql);
295         $hasilSoal   = $eksekusi->fetchAll(PDO::FETCH_OBJ);
296         $db = null;
297         $ahasil=array();
298         $i=0;
299         foreach ($hasilSoal as $hasil) {
300             $id_soal=$hasil->id_soal;
301             $ahasil[$i]['id_soal']=$id_soal;
302             $eKey=substr( sha1( md5($id_soal) ) . md5("sopingi.com"),1,64);
303             $asoal=json_decode( cbt_decrypt($hasil->soal, $eKey), true );
304             $ahasil[$i]['vignette']=$asoal['vignette'];
305             $ahasil[$i]['vignette2']=strip_tags($asoal['vignette']);
306             $ahasil[$i]['pertanyaan']=$asoal['pertanyaan'];
307             $ahasil[$i]['kunci']=$asoal['kunci'];
308             $ajawaban=json_decode( cbt_decrypt($hasil->jawaban, $eKey), true );
309             $ahasil[$i]['jawaban_a']=$ajawaban['A'];
310             $ahasil[$i]['jawaban_b']=$ajawaban['B'];
311             $ahasil[$i]['jawaban_c']=$ajawaban['C'];
312             $ahasil[$i]['jawaban_d']=$ajawaban['D'];
313             $ahasil[$i]['jawaban_e']=$ajawaban['E'];
314             $tinjauan=json_decode($hasil->tinjauan, true);
315             foreach ($tinjauan as $key => $itemTinjauan) {
316                 $ahasil[$i][$key]=$itemTinjauan;
317             }
318             $id_kompetensi=json_decode($hasil->kompetensi, true);
319             $kompetensi="";
320             foreach ($id_kompetensi as $itemKompetensi) {
321                 $kompetensi.= $itemKompetensi. ", " ;
322             }
323             $kompetensi=trim($kompetensi, " , ");
324             $ahasil[$i]['kompetensi']=$kompetensi;
325
326             $ahasil[$i]['penulis']=$hasil->penulis;
327             $ahasil[$i]['reviewer']=$hasil->reviewer;
328             $ahasil[$i]['referensi']=$hasil->referensi;
329
330             $i++;

```

```
331     }
332     echo json_encode($hasil);
333 } catch (PDOException $salah) {
334     echo '{"error":{"text":'. $salah->getMessage() .'}}';
335 }
336 }
```

```

1  <?php
2  include 'login_auth.php' ;
3
4  if ($aksi=='formatXLSX') {
5
6      /** Error reporting */
7      error_reporting(E_ALL);
8      ini_set('display_errors', TRUE);
9      ini_set('display_startup_errors', TRUE);
10     date_default_timezone_set('Asia/Jakarta');
11
12     if (PHP_SAPI == 'cli')
13         die('Hanya dapat dijalankan melalui Web Browser');
14
15     /** Include PHPExcel */
16     require_once dirname(__FILE__) . '/../lib/excel/PHPExcel.php';
17
18
19     // Create new PHPExcel object
20     $FormSoal = new PHPExcel();
21
22     // Set document properties
23     $FormSoal->getProperties()->setCreator("www.sopingi.com")
24                                     ->setLastModifiedBy("www.sopingi.com")
25                                     ->setTitle("Form Soal UKom")
26                                     ->setSubject("CBT Ujian Try Out Kompetensi Perexam
27                                     Medis")
28                                     ->setDescription("Form untuk input soal ke database
29                                     CBT Ujian Try Out Kompetensi Perexam Medis.")
30                                     ->setKeywords("CBT Ujian Try Out Kompetensi Perexam
31                                     Medis")
32                                     ->setCategory("aptiRMik");
33
34     //FORM INPUT
35     $FormSoal->setActiveSheetIndex(0)
36                 ->setCellValue('A1', 'No Urut')
37                 ->setCellValue('B1', 'Pilih Kompetensi')
38                 ->setCellValue('C1', 'Jenis Kompetensi')
39                 ->setCellValue('D1', 'Reviewer')
40                 ->setCellValue('E1', 'Penulis')
41                 ->setCellValue('F1', 'Referensi')
42                 ->setCellValue('G1', 'Vignette')
43                 ->setCellValue('H1', 'Pertanyaan')
44                 ->setCellValue('I1', 'Ops A')
45                 ->setCellValue('J1', 'Ops B')
46                 ->setCellValue('K1', 'Ops C')
47                 ->setCellValue('L1', 'Ops D')
48                 ->setCellValue('M1', 'Ops E')
49                 ->setCellValue('N1', 'Kunci');
50
51     $styleJudul = array(
52         'font' => array(
53             'bold' => true,
54         ),
55         'alignment' => array(
56             'horizontal' => PHPExcel_Style_Alignment::HORIZONTAL_CENTER,
57         ),
58         'borders' => array(
59             'allborders' => array(
60                 'style' => PHPExcel_Style_Border::BORDER_THIN,
61             ),
62         ),
63         'fill' => array(
64             'type' => PHPExcel_Style_Fill::FILL_GRADIENT_LINEAR,
65             'rotation' => 90,
66             'startcolor' => array(
67                 'argb' => 'FFA0A0A0',
68             ),
69             'endcolor' => array(
70                 'argb' => 'FFFFFF',
71             ),
72         ),
73     );

```



```

70     );
71
72     $FormSoal->getActiveSheet()->getStyle('A1:T1')->applyFromArray($styleJudul);
73
74     $styleIsi = array(
75         'font' => array(
76             'bold' => false,
77         ),
78         'alignment' => array(
79             'horizontal' => PHPExcel_Style_Alignment::HORIZONTAL_LEFT,
80             'vertical' => PHPExcel_Style_Alignment::VERTICAL_TOP,
81         ),
82         'borders' => array(
83             'allborders' => array(
84                 'style' => PHPExcel_Style_Border::BORDER_THIN,
85             ),
86         ),
87     );
88
89     $FormSoal->getActiveSheet()->getStyle('A2:T500')->applyFromArray($styleIsi);
90
91     //KUNCI KOLOM C
92     $FormSoal->getSheet(0)->getProtection()->setSheet(true);
93     $FormSoal->getSheet(0)->getProtection()->setInsertRows(true);
94     $FormSoal->getSheet(0)->getProtection()->setInsertColumns(true);
95     $FormSoal->getSheet(0)->getProtection()->setFormatCells(true);
96     $FormSoal->getActiveSheet()->getStyle('A2:B500')->getProtection()->setLocked(
97         PHPExcel_Style_Protection::PROTECTION_UNPROTECTED
98     );
99     $FormSoal->getActiveSheet()->getStyle('D2:D500')->getProtection()->setLocked(
100         PHPExcel_Style_Protection::PROTECTION_UNPROTECTED
101     );
102
103
104     $FormSoal->getActiveSheet()->getColumnDimension('A')->setWidth(8);
105     $FormSoal->getActiveSheet()->getColumnDimension('B')->setWidth(30);
106     $FormSoal->getActiveSheet()->getColumnDimension('C')->setWidth(40);
107     $FormSoal->getActiveSheet()->getColumnDimension('D')->setWidth(30);
108     $FormSoal->getActiveSheet()->getColumnDimension('E')->setWidth(30);
109     $FormSoal->getActiveSheet()->getColumnDimension('F')->setWidth(40);
110     $FormSoal->getActiveSheet()->getColumnDimension('G')->setWidth(60);
111     $FormSoal->getActiveSheet()->getColumnDimension('H')->setWidth(70);
112     $FormSoal->getActiveSheet()->getColumnDimension('I')->setWidth(40);
113     $FormSoal->getActiveSheet()->getColumnDimension('J')->setWidth(40);
114     $FormSoal->getActiveSheet()->getColumnDimension('K')->setWidth(40);
115     $FormSoal->getActiveSheet()->getColumnDimension('L')->setWidth(40);
116     $FormSoal->getActiveSheet()->getColumnDimension('M')->setWidth(40);
117     $FormSoal->getActiveSheet()->getColumnDimension('N')->setWidth(5);
118
119     for ($baris=2;$baris<=500;$baris++) {
120         $FormSoal->getActiveSheet()->getRowDimension($baris)->setRowHeight(180);
121     }
122
123     // Rename worksheet
124     $FormSoal->getActiveSheet()->setTitle('INPUT SOAL');
125
126     // Set active sheet index to the first sheet, so Excel opens this as the first
    sheet
127     $FormSoal->setActiveSheetIndex(0);
128
129     //SHEET 2 Kompetensi
130     $kompetensi = new PHPExcel_Worksheet($FormSoal, 'JENIS_KOMPETENSI');
131     $FormSoal->addSheet($kompetensi, 1);
132     $FormSoal->getSheet(1)->setCellValue('A1', "NAMA KOMPETENSI");
133     $FormSoal->getSheet(1)->getColumnDimension('A')->setWidth(90);
134     $sql = "select * FROM sopingi_kompetensi";
135     try {
136         $db = koneksi();
137         $eksekusi = $db->query($sql);
138         $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
139         $jmlKompetensi=$eksekusi->rowCount();
140         $db = null;

```

```

141     $i=1;
142     foreach ($hasil as $itemKompetensi) {
143         $i++;
144         $FormSoal->getSheet(1)->setCellValue('A'.$i,
            $itemKompetensi->nama_kompetensi." | ".$itemKompetensi->id_kompetensi);
145     }
146
147 } catch (PDOException $salah) {
148     exit($salah->getMessage());
149 }
150 $FormSoal->getSheet(1)->getProtection()->setSheet(true);
151 $FormSoal->getSheet(1)->getProtection()->setSort(true);
152 $FormSoal->getSheet(1)->getProtection()->setInsertRows(true);
153 $FormSoal->getSheet(1)->getProtection()->setInsertColumns(true);
154 $FormSoal->getSheet(1)->getProtection()->setFormatCells(true);
155
156 //SHEET 3 Kunci
157 $kunci = new PHPExcel_Worksheet($FormSoal, 'KUNCI');
158 $FormSoal->addSheet($kunci, 2);
159 $FormSoal->getSheet(2)->setCellValue('A1', "KUNCI");
160 $FormSoal->getSheet(2)->setCellValue('A2', "A");
161 $FormSoal->getSheet(2)->setCellValue('A3', "B");
162 $FormSoal->getSheet(2)->setCellValue('A4', "C");
163 $FormSoal->getSheet(2)->setCellValue('A5', "D");
164 $FormSoal->getSheet(2)->setCellValue('A6', "E");
165 $FormSoal->getSheet(2)->getProtection()->setSheet(true);
166 $FormSoal->getSheet(2)->getProtection()->setSort(true);
167 $FormSoal->getSheet(2)->getProtection()->setInsertRows(true);
168 $FormSoal->getSheet(2)->getProtection()->setInsertColumns(true);
169 $FormSoal->getSheet(2)->getProtection()->setFormatCells(true);
170
171 //SHEET 4 Tinjauan
172 $tinjauan = new PHPExcel_Worksheet($FormSoal, 'TINJAUAN');
173 $FormSoal->addSheet($tinjauan, 3);
174
175 $sql = "select * FROM sopingi_tinjauan";
176 try {
177     $db = koneksi();
178     $eksekusi = $db->query($sql);
179     $hasil = $eksekusi->fetchAll(PDO::FETCH_OBJ);
180     $jmlTinjauan=$eksekusi->rowCount();
181     $jmlSubTinjauan=array();
182     $nama_tinjauan=array();
183     $i=65;
184     foreach ($hasil as $itemTinjauan) {
185         $nama_tinjauan[]=$itemTinjauan->nama_tinjauan;
186         $FormSoal->getSheet(3)->setCellValue(chr($i).'1',
            $itemTinjauan->nama_tinjauan);
187         $FormSoal->getSheet(3)->getColumnDimension(chr($i))->setWidth(90);
188         $id_tinjauan=$itemTinjauan->id_tinjauan;
189         $sqlSub = "select * FROM sopingi_subtinjauan where
            id_tinjauan='$id_tinjauan' ";
190         $eksekusiSub = $db->query($sqlSub);
191         $hasilSub = $eksekusiSub->fetchAll(PDO::FETCH_OBJ);
192         $jmlSubTinjauan[]=$eksekusiSub->rowCount();
193         $j=1;
194         foreach ($hasilSub as $itemSubTinjauan) {
195             $j++;
196             $FormSoal->getSheet(3)->setCellValue(chr($i).'.$j,
                $itemSubTinjauan->nama_subtinjauan." |
                ".$itemSubTinjauan->id_subtinjauan);
197         }
198         $i++;
199     }
200     $db = null;
201 } catch (PDOException $salah) {
202     exit($salah->getMessage());
203 }
204 $FormSoal->getSheet(3)->getProtection()->setSheet(true);
205 $FormSoal->getSheet(3)->getProtection()->setSort(true);
206 $FormSoal->getSheet(3)->getProtection()->setInsertRows(true);
207 $FormSoal->getSheet(3)->getProtection()->setInsertColumns(true);

```

```

208 $FormSoal->getSheet(3)->getProtection()->setFormatCells(true);
209
210 //TAMBAH KOLOM TINJAUAN DI FORM INPUT
211 $t=78;
212 for ($i=0;$i<$jmlTinjauan;$i++) {
213     $t++;
214     $cell=chr($t)."1";
215
216     $FormSoal->getSheet(0)->setCellValue($cell, $nama_tinjauan[$i]);
217     $FormSoal->getSheet(0)->getColumnDimension(chr($t))->setWidth(30);
218
219     $FormSoal->getActiveSheet()->getComment($cell)->setWidth("400px");
220     $FormSoal->getActiveSheet()->getComment($cell)->setHeight("120px");
221     $FormSoal->getActiveSheet()->getComment($cell)->setAuthor('sopingi.com');
222     $komentarTinjauan =
223     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun('PETU
224     NJUK "TINJAUAN:"');
225     $komentarTinjauan->getFont()->setBold(true);
226
227     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun("\r\n
228     ");
229
230     $FormSoal->getActiveSheet()->getComment($cell)->getText()->createTextRun('Sila
231     hkan Pilih Nama Tinjauan menggunakan tombol dropdown');
232
233     //TAMBAH DROPDOWN
234     $col=chr(65+$i);
235     $akhir=( $jmlSubTinjauan[$i]+1);
236
237     for ($n=2;$n<500;$n++) {
238         $validasiKunci
239         =$FormSoal->getSheet(0)->getCell(chr($t).$n)->getDataValidation();
240         $validasiKunci->setType( PHPExcel_Cell_DataValidation::TYPE_LIST );
241         $validasiKunci->setErrorStyle( PHPExcel_Cell_DataValidation::STYLE_STOP );
242         $validasiKunci->setAllowBlank(false);
243         $validasiKunci->setShowInputMessage(true);
244         $validasiKunci->setShowErrorMessage(true);
245         $validasiKunci->setShowDropDown(true);
246         $validasiKunci->setErrorTitle('Kesalahan');
247         $validasiKunci->setError('Nilai tidak ada di daftar');
248         $validasiKunci->setPromptTitle($nama_tinjauan[$i]);
249         $validasiKunci->setPrompt('Silahkan pilih tinjauan dari daftar');
250         $formulal="TINJAUAN!$".$col."$2:$".$col."$".$akhir;
251         $validasiKunci->setFormulal($formulal);
252
253         $FormSoal->getActiveSheet()->getStyle(chr($t).$n)->getAlignment()->setWrap
254         Text(true);
255     }
256 }
257
258 //SETTING KOMENTAR
259 $FormSoal->getActiveSheet()->getComment('B1')->setWidth("400px");
260 $FormSoal->getActiveSheet()->getComment('B1')->setHeight("120px");
261 $FormSoal->getActiveSheet()->getComment('B1')->setAuthor('sopingi.com');
262 $komentarKompetensi =
263 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('PETUNJUK
264 "JENIS KOMPETENSI:"');
265 $komentarKompetensi->getFont()->setBold(true);
266 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun("\r\n");
267 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('Nama
268 Jenis Kompetensi HARUS sama persis dengan Sheet JENIS_KOMPETENSI. ');
269 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun("\r\n");
270 $FormSoal->getActiveSheet()->getComment('B1')->getText()->createTextRun('Jika
271 Lebih dari satu pisahkan dengan tanda koma (,)');
272
273 $FormSoal->getActiveSheet()->getComment('D1')->setWidth("400px");
274 $FormSoal->getActiveSheet()->getComment('D1')->setHeight("120px");
275 $FormSoal->getActiveSheet()->getComment('D1')->setAuthor('sopingi.com');
276 $komentarReviewer =
277 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('PETUNJUK

```

```

"REVIEWER":');
266 $komentarReviewer->getFont()->setBold(true);
267 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun("\r\n");
268 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('Nama
Reviwer Diisi Oleh Penjaminan Mutu. ');
269 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun("\r\n");
270 $FormSoal->getActiveSheet()->getComment('D1')->getText()->createTextRun('Jika
Lebih dari satu pisahkan dengan tanda koma (,)' );

271
272 $FormSoal->getActiveSheet()->getComment('E1')->setWidth("400px");
273 $FormSoal->getActiveSheet()->getComment('E1')->setHeight("120px");
274 $FormSoal->getActiveSheet()->getComment('E1')->setAuthor('sopingi.com');
275 $komentarPenulis =
$FormSoal->getActiveSheet()->getComment('E1')->getText()->createTextRun('PETUNJUK
"PENULIS":');
276 $komentarPenulis->getFont()->setBold(true);
277 $FormSoal->getActiveSheet()->getComment('E1')->getText()->createTextRun("\r\n");
278 $FormSoal->getActiveSheet()->getComment('E1')->getText()->createTextRun('Nama
Penulis Soal');
279 $FormSoal->getActiveSheet()->getComment('E1')->getText()->createTextRun("\r\n");
280 $FormSoal->getActiveSheet()->getComment('E1')->getText()->createTextRun('Jika
Lebih dari satu pisahkan dengan tanda koma(,)' );

281
282 //SETTING DROPDOWN KOMPETENSI
283 $validasiKunci =$FormSoal->getSheet(0)->getCell('B2')->getDataValidation();
284 $validasiKunci->setType( PHPExcel_Cell_DataValidation::TYPE_LIST );
285 $validasiKunci->setErrorStyle( PHPExcel_Cell_DataValidation::STYLE_STOP );
286 $validasiKunci->setAllowBlank(false);
287 $validasiKunci->setShowInputMessage(true);
288 $validasiKunci->setShowErrorMessage(true);
289 $validasiKunci->setShowDropDown(true);
290 $validasiKunci->setErrorTitle('Kesalahan');
291 $validasiKunci->setError('Nilai tidak ada di daftar');
292 $validasiKunci->setPromptTitle('Jenis Kompetensi');
293 $validasiKunci->setPrompt('Silahkan pilih dari daftar');
294 $validasiKunci->setFormulal('JENIS_KOMPETENSI!$A$2:$A$'.$jmlKompetensi);
295
296 $validasiKunci =$FormSoal->getSheet(0)->getCell('C2')->getDataValidation();
297 $validasiKunci->setType( PHPExcel_Cell_DataValidation::TYPE_LIST );
298 $validasiKunci->setErrorStyle( PHPExcel_Cell_DataValidation::STYLE_STOP );
299 $validasiKunci->setAllowBlank(false);
300 $validasiKunci->setShowInputMessage(true);
301 $validasiKunci->setShowErrorMessage(true);
302 $validasiKunci->setShowDropDown(true);
303 $validasiKunci->setErrorTitle('Kesalahan');
304 $validasiKunci->setError('Nilai tidak ada di daftar');
305 $validasiKunci->setPromptTitle('KUNCI');
306 $validasiKunci->setPrompt('Silahkan pilih dari daftar');
307 $validasiKunci->setFormulal('INDIRECT($B$2)');
308
309 //SETTING DROPDOWN KUNCI
310 for ($n=2;$n<500;$n++) {
311     $validasiKunci =$FormSoal->getSheet(0)->getCell('N'.$n)->getDataValidation();
312     $validasiKunci->setType( PHPExcel_Cell_DataValidation::TYPE_LIST );
313     $validasiKunci->setErrorStyle( PHPExcel_Cell_DataValidation::STYLE_STOP );
314     $validasiKunci->setAllowBlank(false);
315     $validasiKunci->setShowInputMessage(true);
316     $validasiKunci->setShowErrorMessage(true);
317     $validasiKunci->setShowDropDown(true);
318     $validasiKunci->setErrorTitle('Kesalahan');
319     $validasiKunci->setError('Nilai tidak ada di daftar');
320     $validasiKunci->setPromptTitle('KUNCI');
321     $validasiKunci->setPrompt('Silahkan pilih dari daftar');
322     $validasiKunci->setFormulal('KUNCI!$A$2:$A$6');
323 }
324
325 // Redirect output to a client's web browser (Excel2007)
326 header('Content-Type:
application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');
327 header('Content-Disposition: attachment;filename="Format-Soal.xlsx"');
328 header('Cache-Control: max-age=0');
329 // If you're serving to IE 9, then the following may be needed

```

```

330 header('Cache-Control: max-age=1');
331
332 header('Last-Modified: '.gmdate('D, d M Y H:i:s').' GMT'); // always modified
333 header('Cache-Control: cache, must-revalidate'); // HTTP/1.1
334 header('Pragma: public'); // HTTP/1.0
335
336 $objWriter = PHPExcel_IOFactory::createWriter($FormSoal, 'Excel2007');
337 $objWriter->save('php://output');
338 exit;
339
340 }
341
342 if ($aksi=="tampil") {
343     $sql = "select * FROM sopingi_soal order by id_soal desc";
344     try {
345         $db = koneksi();
346         $eksekusi = $db->query($sql);
347         $hasilSoal = $eksekusi->fetchAll(PDO::FETCH_OBJ);
348         $db = null;
349         $ahasil=array();
350         $i=0;
351         foreach ($hasilSoal as $hasil) {
352             $id_soal=$hasil->id_soal;
353             $ahasil[$i]['id_soal']=$id_soal;
354             $eKey=substr(sha1(md5($id_soal)).md5("sopingi.com"),1,64);
355             $asoal=json_decode(cbt_decrypt($hasil->soal,$eKey),true);
356             $ahasil[$i]['vignette']=$asoal['vignette'];
357             $ahasil[$i]['vignette2']=strip_tags($asoal['vignette']);
358             $ahasil[$i]['pertanyaan']=$asoal['pertanyaan'];
359             $ahasil[$i]['kunci']=$asoal['kunci'];
360             $ajawaban=json_decode(cbt_decrypt($hasil->jawaban,$eKey),true);
361             $ahasil[$i]['jawaban_a']=$ajawaban['A'];
362             $ahasil[$i]['jawaban_b']=$ajawaban['B'];
363             $ahasil[$i]['jawaban_c']=$ajawaban['C'];
364             $ahasil[$i]['jawaban_d']=$ajawaban['D'];
365             $ahasil[$i]['jawaban_e']=$ajawaban['E'];
366             $tinjauan=json_decode($hasil->tinjauan,true);
367             foreach ($tinjauan as $key => $itemTinjauan) {
368                 $ahasil[$i][$key]=$itemTinjauan;
369             }
370             $id_kompetensi=json_decode($hasil->kompetensi,true);
371             $kompetensi="";
372             foreach ($id_kompetensi as $itemKompetensi) {
373                 $kompetensi.=$itemKompetensi.", ";
374             }
375             $kompetensi=trim($kompetensi, ", ");
376             $ahasil[$i]['kompetensi']=$kompetensi;
377
378             $ahasil[$i]['penulis']=$hasil->penulis;
379             $ahasil[$i]['reviewer']=$hasil->reviewer;
380             $ahasil[$i]['referensi']=$hasil->referensi;
381
382             $i++;
383         }
384         echo json_encode($ahasil);
385     } catch (PDOException $salah) {
386         echo '{"error":{"text":'. $salah->getMessage() .'}}';
387     }
388 }

```

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