

DAFTAR PUSTAKA

- Agus Sanoto, Aslim Rasyad, E. Z. 2017. Pola Perkembangan Biji Dan Perubahan Mutu Benih Berbagai Kultivar Sorgum (shorgum bicolor l.. seed. 4(1):1–11.
- Ahad, I., A. S. V, D. Aziz, & A. Panda. 2025. *Occurance Of Fall Armyworm , Spodoptera Frugiperda On Maize (Zea Mays) In Higher Altitudes Of Kashmir , India : First Report.* 95(January):101–104.
- Akwukwaegbu, R. N., P. I. Akwukwaegbu, H. O. Stanley, G. O. Abu, & I. F. Vincent-akpu. 2026. Correction : *Enhancing Plant Growth Parameters With Synergistic Application Of Biofertilizing Bacteria From Forest Soil And Eichhornia Crassipes Compost.* 4–5.
- Ammurabi, S. D., I. Anas, & Nugroho Budi. 2020. Substitusi Sebagian Pupuk Kimia Dengan Pupuk Organik Hayati Pada Jagung (*Zea Mays*) *Partly Substitution Of Chemical Fertilizer With Bio-Organic Fertilizer On.* 22(April):10–15.
- Asbur, Y. & M. Adlin. 2019. Respon Pertumbuhan Dan Produksi Tanaman Jagung (*Zea Mays* L.) Terhadap Sistem Tanam Dan Pemberian Pupuk Kandang Sapi *Response Of Corn Growth And Yield On The Planting System And Cow Manure.* 7(1):9–16.
- Balai Penelitian Tanaman Serealia. 2022. Pedoman Budidaya Jagung. Maros: Kementerian Pertanian Republik Indonesia.
- CABI. 2021. *Spodoptera Frugiperda (Fall Armyworm) Datasheet. Cabi Invasive Species Compendium*
- Chisonga, C., G. Chipabika, P. H. Sohati, & R. D. H. Id. 2023. *Understanding The Impact Of Fall Armyworm (Spodoptera Frugiperda J. E. Smith) Leaf Damage On Maize Yields.* 1–12.
- Dwi, R., H. Windriyati, N. K. Wulansari, & R. Adisona. 2024. Pengaruh Agens Hayati Terhadap Insiden Penyakit Bulai Pada Jagung. *Jurnal Teknologi Terapan.* 8(1):322–329.
- Ewa, M., W. Wojcik, I. Swiecicka, I. THIJS, Sofie Vanhronsveld, & J. Beneficial. 2020. *Beneficial Features Of Plant Growth-Promoting Rhizobacteria For Improving Plant Growth And Health In Challenging Conditions : A Methodical Review Peer-Reviewed Author Version Methodical Review.* 743
- FAO. 2022. *Fall Armyworm: Technical Guidance For Monitoring And Management.* Food And Agriculture Organization.

- Fitriana, F., & Wahyuni, S. 2023. Serangan *Spodoptera Frugiperda* Pada Tanaman Jagung Dan Strategi Pengendalian Di Indonesia. *Jurnal Proteksi Tanaman Indonesia*. 27(2):150–159.
- Goergen, G., P. L. Kumar, S. B. Sankung, A. Togola, & M. Tam. 2016. *First Report Of Outbreaks Of The Fall Armyworm Spodoptera Frugiperda (J E Smith) (Lepidoptera , Noctuidae), A New Alien Invasive Pest In West And Central Africa*. (April):1–9.
- Handoko, W., M. Hazmi, & I. Wijaya. 2025. Respons Tanaman Jagung Manis Terhadap Aplikasi Pgpr Dan Pupuk Organik. (4):203–214.
- Herdianto, D., R. Setiawati, R. Azizah, & T. Simarmata. 2022. Potensi Pemanfaatan Pupuk Hayati Berbasis Pgpr Untuk Meningkatkan Ketersediaan Unsur Hara Di Tanah Dan Efisiensi Agronomis Padi Gogo. 21(3):293–304.
- Herlinda, S., N. Octariati, S. Suwandi, & Hasbi. 2020. *Exploring entomopathogenic fungi from south sumatra (indonesia) soil and their pathogenicity against a new invasive maize pest, spodoptera frugiperda*. *Biodiversitas*. 21(7):2955–2965.
- Hikmah, N., F. Santi, M. Syafi, & W. Rianti. 2023. Pengaruh Kombinasi Pupuk Organik Hayati Dan Pupuk Anorganik Terhadap Pertumbuhan Dan Hasil Jagung Manis (*Zea Mays L. Saccharata Sturt*) Ms-Unsika Di Sumedang Nurul. *Jurnal Agroplasma*,. 10(2):586–592.
- Id, A. R., S. Ejaz, M. S. Saleem, V. Hejnak, F. A. Id, M. A. A. Ahmed, S. S. A. Id, A. M. El-shehawi, M. S. Alsubeie, A. Tan, & K. Zuan. 2021. *Plant Growth Promoting Rhizobacteria Improve Growth And Yield Related Attributes Of Chili Under Low Nitrogen Availability*. 1–12.
- Kriswanto, H., E. Safriyanti, & S. Bahri. 2016. Pemberian Pupuk Organik Dan Pupuk Npk Pada Tanaman Jagung Manis (*Zea Mays Saccharata, Sturt*) (*Application Of Organic Fertilizer And Npk Fertilizer To Sweet Corn (Zea Mays Saccharata, Sturt)*). *J. Klorofil*. 11(1):1.
- Kumar, R. M., B. Gadratagi, V. Paramesh, P. Kumar, Y. Madivalar, N. Narayanappa, & F. Ullah. 2022. *Sustainable Management Of Invasive Fall Armyworm , Spodoptera Frugiperda*. 1–17.
- Kumawat, N., R. Kumar, & S. Kumar. 2017. *Nutrient Solubilizing Microbes (NSMs): Its Role in Sustainable Crop Production*
- Kurniawan, H., Saputra, D., & Yuliana, S. 2020. Respons Pertumbuhan Dan Hasil Jagung Terhadap Kombinasi Pupuk Npk Dan Dolomit Pada Tanah Masam. *Jurnal Agrinika*. 4((1)):45–52.

- Lamakoma, C. R., J. R. Patty, & M. Amba. 2019. Pengaruh Pupuk Organik Cair Dan Pupuk Majemuk Terhadap Pertumbuhan Dan Produksi Jagung Ketan (*Zea Mays Var . Ceratina*). *Jurnal Budidaya Pertanian*. 15(2):127–133.
- Maharani, Y., V. K. Dewi, L. T. Puspasari, L. Rizkie, Y. Hidayat, & D. Dono. 2019. *Cases Of Fall Army Worm Spodoptera Frugiperda J. E. Smith (Lepidoptera: Noctuidae) Attack On Maize In Bandung, Garut And Sumedang District, West Java. CROPSAVER - Journal of Plant Protection*. 2(1):38.
- Mangardi & Patrisius Wahyu Bima Saputra. 2022. Pertumbuhan Dan Hasil Jagung Ketan Pada Beberapa Dosis Kompos Tandan Kosong Kelapa Sawit. 18:90–98.
- Manullang, F. A., I. Lubis, & M. G. Ghulamahdi. 2025. *Response Of Growth And Yield Of " Ipb 9g " Rice To The Application Of Npk And Biofertilizers*. 12(1):70–76.
- Meena, M., P. Swaprill, K. Divyanshu, S. Kumar, Harish, Y. nandan tripathi Tripathi, A. Zehra, A. Marwal, & ram sanmukh Upadhyay. 2020. *PGPR-Mediated Induction Of Systemic Resistance And Physiochemical Alterations In Plants Against The Pathogens: Current Perspectives*. 2020.
- Mutegi, C. K., J. M. Wagacha, M. C. Niyuhire, J. Atehnkeng, E. Njukwe, K. A. Callicott, & P. J. Cotty. 2023. *Aflatoxin Contamination Of Maize And Groundnut In Burundi : Distribution Of Contamination , Identification Of Causal Agents And Potential Biocontrol Genotypes Of Aspergillus Flavus*. (March):1–13.
- Mutyambai, D. M., J. M. Mutua, A. Abdul, D. Beesigamukama, A. Kessler, S. Subramanian, T. Dubois, S. Ekesi, & C. M. Tanga. 2025. Niu, y., li, x., zhang, q., et al. (2023). *biofertilizer Application Improves Maize Growth And Resistance To Insect Pests. Agriculture, Ecosystems & Environment*, 341, 108–119. 1–15.
- Noerfitryani, Andi Rahayu Anwar, Hamzah, Syamsia, S. & mail. 2023. *Intensitas Serangan Hama Ulat Grayak (Spodoptera Frugiperda) Pada Tanaman Jagung Di Kabupaten Takalar Attack Intensity Level Of Fall Armyworm Spodoptera Frugiperda On Maize Crop In Takalar District*. 12(April):45–53.
- Orozco Mosqueda, C. M. del, G. Santoyo, & B. R. Glick. 2023. Recent Advances In The Bacterial Phytohormone Modulation Of Plant Growth
- Pernitiani, N. P., U. Made, & Andrianton. 2018. Pengaruh Pemberian Berbagai Dosis Pupuk Nitrogen Terhadap Pertumbuhan Dan Hasil Tanaman jagung Manis. 6(3):329–335.

- Poveda, J. & D. Eugui. 2022. Machine Translated By Google Pengendalian Hayati Penggunaan Gabungan Trichoderma Dan Bakteri Bermanfaat (Terutama Bacillus Dan Pseudomonas): Pengembangan Bio-Inokulan Sinergis Mikroba Dalam pertanian berkelanjutan machine translated by google. 176(September)
- Rahma, W., V. O. Subardja, R. Y. Agustini. 2024. Pengaruh Kombinasi Pupuk Hayati, Pupuk Organik Cair Dan Npk Terhadap Pertumbuhan Dan Hasil Tanaman Cabai Merah (*Capsicum Annuum* L.). 14(1):49–55.
- Rui, L. 2020. *Plant-Growth-Promoting Bacteria (Pgp) Against Insects And Other Agricultural Pests*. (Figure 1):1–12.
- Safrina Nazirah, Laila Nasruddin, Khusrizal Jamidi, H. 2023. Uji Berbagai Jenis Varietas Dan Konsentrasi Biourin Kelinci Untuk Mengetahui Karakteristik Morfologi Jagung Ketan (*Zea Mays Ceratina*). 20(3):241–249.
- Sartiami, D., Dadang, I. S. Harahap, Y. M. Kusumah, & R. Anwar. 2020. *First Record Of Fall Armyworm (Spodoptera Frugiperda) In Indonesia And Its Occurrence In Three Provinces. IOP Conference Series: Earth and Environmental Science*. 468(1)
- Schmidt, J. E. & C. M. Gaudin. 2018. *What Is The Agronomic Potential Of Biofertilizers For Maize ? A Meta-Analysis*. (May):1–10.
- Seenivasagan, R. & O. O. Babalola. 2021. *Utilization Of Microbial Consortia As Biofertilizers And Biopesticides For The Production Of Feasible Agricultural*
- Sharanabasappa S. Deshmukh, B. M. Prasanna, C. M. Kalleshwaraswamy, Jagdish Jaba, & B. C. 2021. *Polyphagous Pests Of Crops*
- Shifa Usodri, K., B. Utoyo, D. Riniarti, D. Prakoswo widiyani, R. Puspa Kartika, Sari, & M. M. Adi Guna. 2025. Pengaruh Aplikasi Pupuk Organik Cair (Poc) Kotoran Kambing Dan Sapi Terhadap Pertumbuhan Bibit Kelapa Sawit Sawit (*Elaeis Guineensis Jacq.*) Di Pembibitan Utama. *Jurnal Agrotropika*. 24(2):442–454.
- Sitorus, M. P. . & Y. Tyasmoro. 2019. Pengaruh Pupuk Npk Dan Pupuk Kandang Sapi Terhadap Pertumbuhan Dan Hasil Tanaman Jagung Manis (*Zea Mays Saccharata Sturt*) *The Effect Of Npk Fertilizers And Cow Manure On Growth And Yield Of Sweet Corn Plants (Zea Mays Saccharata Sturt)*. 7(10):1912–1919.
- Soujanya, P. L., C. G. K. J. C. Sekhar, K. R. Yathish, S. B. S. K. Sankara Rao, S. L. Jat, B. Kumar, K. Kumar, J. Vadessery, K. Subaharan, J. Patil, V. K. Kalia, A. Dhandapani, & S. Rakshit. 2022. *Leaf Damage Based Phenotyping Technique And Its Validation Against Fall Armyworm , Spodoptera Frugiperda (J . E . Smith), In Maize*. 13(July):1–14.

- Suhartanti, A., O. S. Padmini, & M. H. Kasim. 2022. Pengaruh Aplikasi Mikoriza Dan Rock Phosphate Terhadap Pertumbuhan Hasil Dan Kualitas Jagung Ketan. 104:58–65.
- Sunarya, Y., R. Priyadi, M. Arifin, R. Hindersah, U. Siliwangi, & U. Padjadjaran. 2024. *Corn Growth On Gold-Mine Tailings Inoculated With Nitrogen-Fixing And Phosphate-Solubilizing Bacteria Pertumbuhan Jagung Pada Tailing Tambang Emas Yang Diinokulasi*. 11(2):103–113.
- Susilowati, E., S. Triyono, & C. Sugianti. 2015. Pengaruh Jarak Lampu Neon Terhadap Pertumbuhan Tanaman Kailan (*Brassica Oleraceae*) Dengan Sistem Hidroponik Sumbu Di Dalam Ruangan The Effect Of Fluorescent Lamp Distance On Plant Growth Kailan (*Brassica Oleraceae*) With Wick System Hydroponic In The Room (Indoor). 4(4):293–304.
- Trisyono, A. 2019. Strategi Pengendalian Hayati Hama Ulat Grayak. *Jurnal Hama Tanaman*. 7((1)):25–33.
- Van den Berg, J., C. Britz, & H. du Plessies. 2021. *Maize Yield Response To Chemical Control Of Spodoptera Frugiperda At Different Plant Growth Stages In*. 11
- Wati, R., Prasetyo, J., & Lestari, S. 2022. Pengaruh Pupuk Hayati Cair Terhadap Pertumbuhan Vegetatif Dan Hasil Tanaman Jagung (*Zea Mays L.*). *Jurnal Agroteknologi Indonesia*. 7(2):85–94.
- Wu, W., K. Du, & X. Kang. 2021. *The Diverse Roles Of Cytokinins In Regulating Leaf Development. Horticulture Research*
- Yasmin, S., A. Zaka, A. Imran, & M. A. Zahid. 2016. *Plant Growth Promotion And Suppression Of Bacterial Leaf Blight In Rice By Inoculated Bacteria*. 1–19.
- Yiyang Yu, Ying Gui, Zijie Li, Chunhao Jiang, J. G. & D. N. 2022. *Induced Systemic Resistance For Improving Plant Immunity By Beneficial Microbes*. 1–19.
- Yoga, F. 2022. Efikasi Ekstrak Daun Pepaya, Daun Mimba Dan Buah Maja Sebagai Insektisida Nabati Dalam Pengendalian Hama Kutu Daun (*Aphis Gossypii* Glover) Pada Tanaman Terung Ungu (*Solanum Melongena L.*). *Skripsi. Medan: Universitas Medan Area*. (desember):1–66.
- Yu, J.-K. & Y.-S. Moon. 2022. Corn starch : Quality And Quantity Improvement For. (November 2021):1–9.
- Yuliani, N., Widodo, W., & Hadi, S. 2021. Peran *Bacillus Subtilis* Sebagai Agen Penginduksi Ketahanan Sistemik Tanaman Terhadap Serangan Hama Dan Penyakit. *Jurnal Proteksi Tanaman Indonesia*. 5(2):85–93.