ANALISIS KEAMANAN *DIGITAL SIGNATURE* UNTUK VERIFIKASI KEASLIAN *WHITEPAPER PROJECT CRYPTO*

Mohammad Sayyidi
Program Studi Teknik Informatika
Jurusan Teknologi Informasi

ABSTRAK

Penelitian ini menganalisis keamanan *digital signature*, khususnya pada *Elliptic Curve Digital Signature Algorithm* (ECDSA), untuk memverifikasi keaslian *whitepaper* proyek kripto, mengatasi maraknya penipuan yang memanfaatkan dokumen palsu. Dengan metodologi deskriptif kualitatif studi kasus yang melibatkan studi pustaka, analisis dokumentasi, dan observasi implementasi ECDSA, penelitian ini bertujuan mengidentifikasi cara kerja, risiko keamanan, serta menyusun strategi mitigasi dan protokol integrasi ECDSA dalam *blockchain*, yang diharapkan dapat meningkatkan transparansi dan kepercayaan ekosistem kripto.

Kata kunci: *Digital Signature*, ECDSA, Verifikasi Keaslian, *WhitePaper*, *Project Crypto*, Keamanan *Blockchain*.

ANALISIS KEAMANAN *DIGITAL SIGNATURE* UNTUK VERIFIKASI KEASLIAN *WHITEPAPER PROJECT CRYPTO*

Mohammad Sayyidi
Program Studi Teknik Informatika
Jurusan Teknologi Informasi

ABSTRACT

This study analyzes the security of digital signatures, particularly the Elliptic Curve Digital Signature Algorithm (ECDSA), in verifying the authenticity of cryptocurrency project whitepapers, addressing the increasing prevalence of fraud involving forged documents. Using a qualitative descriptive case study methodology that includes literature review, document analysis, and observation of ECDSA implementation, this research aims to identify the working mechanism, security risks, and to develop mitigation strategies as well as integration protocols of ECDSA within blockchain systems. The findings are expected to enhance transparency and trust within the cryptocurrency ecosystem.

Keywords : Digital Signature, ECDSA, Authenticity Verification, Whitepaper, Crypto Project, Blockchain Security.