

**PENGEMBANGAN APLIKASI *END USER COMPUTING –
CREDIT DOCUMENT AND CONTROL (EUC-CDC) TOOLS*
SEBAGAI PLATFORM DIGITALISASI DAN *BUSINESS INTELLIGENCE*
UNTUK *MONITORING* DOKUMEN AGUNAN BERBASIS WEB**

JASMINE ADZRA FAKHIRAH

H1D022071

ABSTRAK

Transformasi digital diterapkan untuk mengakomodir pengelolaan dokumen agunan di Indonesia Eximbank. Penelitian ini bertujuan mengembangkan aplikasi *End User Computing – Credit Document and Control (EUC-CDC) Tools* berbasis web sebagai platform terintegrasi untuk mendigitalisasi proses penerimaan, pelepasan, registrasi agunan, dan persetujuan dokumen, dilengkapi fitur *Business Intelligence (BI)* untuk visualisasi data operasional. Pengembangan sistem menggunakan metode *Software Development Life Cycle (SDLC) Waterfall Model*, diimplementasikan dengan *framework* Laravel dan basis data Microsoft SQL Server. Hasil penelitian menunjukkan bahwa aplikasi berhasil mengembangkan modul inti secara fungsional, termasuk integrasi dengan API eksternal, sekaligus menyediakan *Dashboard BI* yang menyajikan data *real-time*. Melalui pengujian *Black-box* pada seluruh modul, sistem terbukti memenuhi kebutuhan fungsional yang ditetapkan, memvalidasi bahwa aplikasi ini dapat mendukung transparansi, akurasi, dan sentralisasi administrasi dokumen pada Divisi Operasional Indonesia Eximbank.

Kata Kunci: Agunan, *Business Intelligence*, Digitalisasi Dokumen, EUC–CDC Tools, Laravel, *Waterfall*

**DEVELOPMENT OF THE END USER COMPUTING –CREDIT DOCUMENT
AND CONTROL (EUC-CDC) TOOLS APPLICATION AS A WEB-BASED
DIGITALIZATION AND BUSINESS INTELLIGENCE PLATFORM FOR
COLLATERAL DOCUMENT MONITORING**

JASMINE ADZRA FAKHIRAH

H1D022071

ABSTRACT

Digital transformation is applied to accomodate collateral document management at Indonesia Eximbank. This study aimed to develop a web-based End User Computing – Credit Document and Control (EUC-CDC) Tools application as an integrated platform to digitalize the processes of document receiving, release, collateral registration, and approval, enhanced with Business Intelligence (BI) features for operational data visualization. The system development utilized the Software Development Life Cycle (SDLC) Waterfall Model, implemented using the Laravel framework and Microsoft SQL Server database. The results demonstrate that the application successfully developed core functional modules, including integrations with the external API, while also providing a BI Dashboard that presents real-time data. Through Black-box testing on all modules, the system proved to satisfy all established functional requirements, validating the application's role in supporting transparency, accuracy, and centralized credit document administration within the Operational Division of Indonesia Eximbank.

Keywords: *Business Intelligence, Collateral, Document Digitalization, EUC–CDC Tools, Laravel, Waterfall*