ABSTRACT

DESIGNING ENTERPRISE ARCHITECTURE AT BPRCCo SME DIGITAL TRANSFORMATION BY USING TOGAF STANDARD 10TH EDITION

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Digital Transformation (DT) is a challenge for banks in Indonesia. Previous research has shown that IT strategy and architecture is one of the key governance mechanisms that play an important role in the success of DT in the Indonesian banking industry. However, this research has not been proven for the small-scale banking sector. Bank Perkreditan Rakyat (BPR) needs to be immediately incumbent in increasing the pace of digital transformation, including BPRCCo as a banking SMEs. BPRCCo must have an information technology strategy that can support the company's business strategy in achieving DT. However, BPRCCo has not fully developed information technology to meet its business needs. Enterprise architecture (EA) is a method that can be used to align business strategy and IT strategy. This research produces an EA blueprint to guide BPRCCo SMEs banks in achieving DT. This research uses the Design Science Research (DSR) method, which includes problem explication, requirement specification, design and development, demonstration, and evaluation. Data were obtained through semi-structured interviews that were validated through document triangulation. EA design in this study uses The Open Group Architecture Framework (TOGAF) Standard 10th Edition framework with 22 prioritized artifacts, starting from the preliminary phase to migration planning. Referring to the 22 priority artifacts in the design of EA for DT BPRCCo includes 6 business architectures, 11 information system architectures, and 5 technology architectures. The results of the EA blueprint are implemented in the IT Roadmap as a reference in developing the BPRCCo 2024-2026 project. This research provides knowledge of EA in DT in BPR SMEs and guides BPRCCo and similar organizations in implementing priority artifacts to achieve successful DT.

Keywords: BPR, Digital Transformation, Enterprise Architecture, SME, TOGAF