ABSTRACT

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

By

SHINTYA RAHMA SAFITRI

1202204047

The digital revolution requires incumbent organizations to adapt to technology through Digital Transformation (DT). Previous research has found the importance of IT strategy and architecture as crucial governance mechanisms for success. However, these findings have not been proven for small-scale banks. Therefore, this research aims to develop and design an enterprise architecture blueprint to help DT BPRACo as an SMEs bank. This research uses five stages of Design Science Research (DSR): problem explication, requirement specification, design and development, demonstration, and evaluation. Data was collected through semi-structured interviews validated by document triangulation and then analyzed using the TOGAF Standard 10th Edition framework, starting from the preliminary phase to migration planning. Based on the priority analysis, 22 priority artifacts were selected, which then became the reference artifacts for designing enterprise architecture for TD BPRACo, consisting of 6 (six) business architecture artifacts, 5 (five) data, 6 (five) applications, and 5 (five) technologies. The blueprint design results are then poured into the BPRACo IT roadmap for 2024-2026. This research contributes to the enterprise architecture knowledge base for DT in the context of BPR SMEs. It provides practical implications for BPRACo and similar organizations to implement priority enterprise architecture artifacts that can help achieve the success of their DT journey.

Keywords: BPR, Digital Transformation, Enterprise Architecture, TOGAF, SMEs.