

ABSTRACT

ENTERPRISE ARCHITECTURE BLUEPRINT: INTEGRATION USING TOGAF ADM AND ITIL APPROACH TO ACHIEVE ALIGNMENT BETWEEN ORGANIZATION AND INFORMATION TECHNOLOGY PERSPECTIVES IN IT PLANNING AND DEVELOPMENT FUNCTION (CASE STUDY: BANK PEMBANGUNAN JAWA BARAT DAN BANTEN, BANDUNG)

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Bank Pembangunan Jawa Barat dan Banten (BJB) is a region company owned by West Java and Banten provincial government which was established on May 20, 1961 to fulfill the needed development of regional economics. Due to regional banks are able to open service networks in areas in West Java and Banten provinces which are economically impossible for private banks. Organizations that succeed in aligning IT and business strategies are able to improve service significantly because it adds value to company itself. Therefore, the IT Planning & Development function really needs to work effectively and efficiently.

IT Planning & Development function is one of the important functions contained in BJB Bank. IT Planning & Development not coverage and not align with the perspective of the business sector become one of the main problems so that it is not align and is not optimal between Information Technology and the course of business. To that end, to unify the perspective between Information Technology and Business, the application of a system is needed, in implementing a food system a banking service-based blueprint is needed which is used as a guide in developing Information Technology in a organization. Enterprise Architecture is a solution

that can be used in designing banking service-based systems in companies by integrating domains such as Business, Applications, Data, Technology, and adopting service-based best practices. TOGAF ADM can meet the needs of system developers by aligning the four existing domains in the company, and ITIL (Information Technology Infrastructure Library) is a best practice as a reference for service organization. Banking service-based Enterprise Architecture design in this study uses the TOGAF ADM framework combined with ITIL. Limiting only the design of the preliminary phase, Phase A: Architecture Vision, Phase B: Business Architecture, Phase C: Architecture Information Systems (Data Architecture & Application Architecture), Phase D: Technology Architecture, Phase E: Opportunities and Solutions, and Phase F: Migration Planning without considering Phase G: Implementation Governance and Phase F: Architecture Change Management. Each phase inserts of artefact from ITIL. The outputs of this study are in the form of Enterprise Architecture and IT Roadmap based on banking services as a guide in implementing the system in the BJB Bank's IT Planning & Development function.

Key Words: *IT Planning & Development function, Alignment of perspective between IT and Business, Enterprise Architecture, TOGAF ADM, ITIL, BJB Bank*