ABSTRACT

Analysis of Enterprise Architecture Domain Application Architecture Design in Bandung Techno Park Using IdEA Framework

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Bandung Techno Park, also known as BTP, is one of the largest Information Technology (IT) centers in Indonesia and serves as a Science Park to enhance the quality of Information and Communications Technology (ICT). Bandung Techno Park is also part of Telkom University's efforts to become a business university.

In this era of the 4.0 industrial revolution, which requires organizations or companies to undergo Digital Transformation, the utilization of Information Technology (IT) services goes beyond mere support and directly contributes to the organization's business activities. Therefore, the planning of IT is heavily influenced by the organization's business and strategic aspects, necessitating the design of an Enterprise Architecture based on a living document and in digital form.

Enterprise Architecture serves as the organization's blueprint, aligning the Architecture Vision, risks, and KPIs (Business Architecture) with information technology in terms of data perspective (Data Architecture), applications (Application Architecture), and technology (Technology Architecture).

The development of this Enterprise Architecture is carried out by adopting the Integrated Multidimentional Enterprise Architecture Framework (IdEA), a modified version of TOGAF that has been patented as a domestic product by the company Braindevs.

Keyword: Bandung Techno Park, Science Park, Enterprise Architecture, IdEA Framework.