

ABSTRACT

VERIFICATION AND VALIDATION OF BUSINESS PROCESS MODEL BUSINESS ARCHITECTURE WITH PETRI NET METHOD USING MODEL V

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Enterprise architecture (EA) is a program that is supported by multiple frameworks, which are able to coordinate various aspects that from the fundamental essence of an organization as a whole. Many companies fail to achieve their responsibilities in implementing Enterprise Architecture because in documenting process modeling semantic validation to prove the suitability and accuracy of the model according to the scenario. Therefore, by testing whether the company architecture has a good impact on companies, that need to verify and validate the design results of the Enterprise Architecture, which is on one of the important roles of the composing domain of the Enterprise Architecture, namely Business Architecture. In verifying and validating the business process model in the EA design, it is carried out using the V model which has been determined according to the research proposal using the Petri-net method with its supporting tools, namely Woped, to perform simulations that show the determined business processes consistently meet the requirements specified before implementation. So this research identifies and introduces a verification and validation model of business process to achieve business processes to achieve business goals in implementing Enterprise Architecture designs.

Keywords: Enterprise Architecture, verification, validation, business process, BPMN, Business Architecture, Petri net, Woped