

## ABSTRACT

Faculty of Informatics Telkom University organized Final Project for students who will establish graduation. In the process of final project (TA) using a business process for speed up of running of the process so that the entire process can be structured. In this case the business processes of Final Project (TA) can be modeled in the Business Process Modeling Notation (BPMN). The specification of the BPMN does not include formal semantics. Because of the lack of formal semantics makes difficulties in checking the correctness BPMN semantics in terms of prespective. Therefore, it can not to check correctness of bussiness process of TA. We need an approach to translate the model of Business Process Modeling Notation (BPMN) into Petri Net which in this case using a PROM. The conversion results that have shaped Petri Net and then verified with a tool in the Petri Net is Woflan . Verification is used to detect errors such as deadlocks and livelocks errors BPMN which has been modeled into the Petri Net. Analysis from this process bisnis is diagnosing business process TA, and the other analysis is also do testing an informal test on BPMN semantics as the exclusive gateway, activities, start and end event, intermediate event of diagnosis results showed that the properties on Petri Net can be used to verify business processes. Addition of the completeness of business process BPMN, when one of the informal semanticts exclusive gateway eliminated example, then when the the result is not sound of workflow. And also when do the addition of intermediates, it was found that the diagnosis workflow remains sound

Keyword : Petri Net ,Woflan, BPMN