

## **ABSTRACT**

According to Bay & Skitmore, (2005) an organization needs to produce high-quality performance in order to achieve success. In terms of project management, project managers need to learn to apply the best ways to a strategic plan so that achievement can be satisfactory. According to the research conducted by Khoshgoftar & Osman (2009) the project maturity model has referred to the PMBok standard so that the validity of the measurement model can be justified. The PMMM model recommends research for the Project Management Office by considering strategic project management aspects, so that the resulting evaluation is able to provide added value for the company's competitive advantage. At this time the project management maturity level will be calculated with the knowledge area risk management and weighting using the analytical hierarchy process (AHP) on the risk management process to determine the priority of the company's risk process. In this study the company PT. XYZ has the maturity level of the project risk management level 1, namely the initial process. The initial process is that the company has realized the need to apply risk management to the project but does not yet have methods and standards. Plan risk management is the first priority in the risk management process at PT. XYZ.

**Keyword:** *risk management, management project, project management maturity model, maturity level, analytical hierarchy process (AHP)*