**ABSTRACT**

**TECHNICAL IMPROVEMENTS IN TEAM RECOMMENDATION ASSESSMENT PLATFORM WITH THE HUMAN RESOURCE CONCEPT**

**By**

**MUHAMMAD ARRASYID RAKHMADASZAN**

NIM : **1202174271**

Companies today often form teams to run a project to be more effective in doing it. The human resource factor is one of the factors supporting the success or failure of a project in a team. The ability to determine assignments and roles as well as problems in the interaction between project team members are two main human resource problems that support the success of a software development project. The Assessment Platform is one way to form a good team recommendation. Previously, there was research that had made a Platform Assessment to form an optimal team in developing software. Previous research has also focused on developing a job matching model which is useful for matching assessment results with desired roles in a team. However, in this model there are still deficiencies in applying the concept of human resource in its business processes, so this research was conducted. This study also describes the concepts that will be used for the implementation of the Final Project, namely People Factor, Google OR Tools, and Application Framework. The research method used is the collaborative method or the collaboration of software development model because the method fits the team and the time available. In addition, this method implements an agile methodology and combines it with existing conditions in the business environment so that it can enable rapid requirements changes. The results of this research are the improvement of the flow of the team optimization module, the implementation of the team optimization module, and the design of the team optimization module in the assessment tools platform.

**Keywords: platform, web, software development, application, Laravel, algorithm, Google OR-Tools**