

Abstract

Final Assignment is a scientific paper as a results of a research prepared by a bachelor degree study program student as a requirement in order to graduate. Telkom Institute of Technology is one of a leading institution in Indonesia. One from many faculty in Telkom Institute of Technology is called Informatics Faculty. In making a final assignment, students need to search some related topic as a reference for deciding a final assignment title. Final assignment topic has to be fit into the scope of specialization that are grouped in a container named Proficiency Group.

Proficiency Group organizes the grouped of expertise or applied field in faculties of Telkom Institute of Technology. Informatics Faculty has 3 Proficiency Group, including *Intelligent, Computing and Multimedia (ICM)*, *Software Engineering, Information System and Database Engineering (SIDE)* and Telematics. In fact, there are still a few students which do not know about this Proficiency Group. It impacts students readiness in completing their final assignment because the hard of deciding an appropriate topic for final assignment title which will be made.

From that reason above, it is good to build “*Final Assignment and Proficiency Group Specialization Information Processing Helper Application for Telkom Institute of Technology Informatics Faculty Students*”, that will help students and academic worker, such as Lecture and Head of Faculty, in optimizing the process of proficiency group specialization in order to choose an appropriate topic for final assignment title which will be made.

This application gives students a recommendation of an appropriate Proficiency Group as a result of some criteria calculation using one of some decision making method called MAUT (*Multi Attribute Utility Theory*) and implemented using PHP language, MySQL database and another supporting software.

Kata kunci: TA, KK, MAUT, PHP, MySQL