

## ABSTRACT

Group Decision Support System representing a decision making facility based on computer and network in a group to obtain a consideration of decision. In Group Decision Support System, decision-making processes earn analogy like a group of meeting which in pursuance of voting to a decision with. Through this Group Decision Support System, limitation of time and distance in analysing and taking decision can be more overcome. Following previous tradition or other universities tradition, determination of standard eligibility of passing grade in New Selection Student for University at Telkom School of Engineering still be done with ill defined consideration of each majors council side. Its impact, all testees do their test without a certain value goals; and so they do not have clear strategy in doing their test. These analysis and implementation of application for decision support system which has being developed aim to assist council meeting in determining correct passing grade pursuant to possibility analysis or best quality prediction by using method of utility – based agent and of DELPHI. Decision of passing grade can be released on real time to council side, it can give clear value goals to all testees as a standard passing grade of the test, and also can give criterion pass of which can be justified.

**Keywords** : Group Decision Support System, passing grade, utility – based agent, DELPHI, and real time.