

**UNIVERSITI TEKNOLOGI MARA**

**TECHNICAL REPORT**

**FIELD OF HIGHER LEARNING SELECTION FOR FORM SIX  
STUDENTS USING ANALYTIC HIERARCHY PROCESS (AHP)**

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## **ABSTRACT**

After completing high schools, some students opted to continue their studies in Form Six which was a common study option for students who have completed secondary school. Many government schools across the country offered Form Six, a Pre-University (Pre-U) curriculum. It worked best for dedicated learners who sought a Pre-U degree that was both inexpensive and well-regarded. However, students needed to keep in mind to choose a suitable and appropriate major when wanting to further in Bachelor Degree. Therefore, this study was done to identify the students' most preferred course and why students chose them. The study consisted of 195 Form Six students from nine schools around Negeri Sembilan. Data from these students were collected through online survey and Analytic Hierarchical Process (AHP) were then used to calculate the comparison pairwise using the answers from respondents. The AHP method was one of the most popular and widely employed multicriteria methods. The processes of ranking alternatives and aggregating them to select the most pertinent ones are combined in this approach. The method was used to rank a set of alternatives or to choose the best option from a set of alternatives. Results showed that most students chose Job Opportunities as the most preferred criteria and Literature for the most preferred alternative. The study is unique in that the data used were primary data and it could be the first study exploring the factors that may influence decision of the students in Negeri Sembilan in choosing a course after completing Form Six.

*Keywords:* Multi-criteria decision making methods, AHP, Form Six, Negeri Sembilan