UNIVERSITI TEKNOLOGI MARA

TECHNICAL REPORT

FIELD OF STUDY OF HIGHER EDUCATION SELECTION BY USING ANALYTICAL HIERARCHY PROCESS (AHP)

P24M19

AMEERA HUSNA BINTI AZEME
NURUL AQILA BINTI ABDUL HADI
MARHAIZATHUL NORSHAZWANIEE BINTI OMAR

Bachelor of Science (Hons.) Computational Mathematics
Faculty of Computer and Mathematical Sciences

JULY 2019

ACKNOWLEDGEMENT

Table of Contents

List of Figures

ABSTRACT

Higher education field selection is important for student before they enter the higher education institutions such as colleges and universities. There are a lot of field selection for students to choose whether it's based on their self-interest, parent's influence or academic performance. Analytical Hierarchy Process (AHP) method illustrated the ranking of most important higher education field selection among students by multi criteria decision making. The purposes of this paper are to determine the main important criteria for higher education field selection among students by using AHP and to specify the preferable higher education field selection by using AHP method. The selection of higher education field selection is difficult to decide. Students tends to faced difficulty to choose higher education filed whether to follow their passion or to choose the most preferable choice of higher education field such as medic. As the analysis suggest the most preferable higher education field selection among students is education with the weightage of 0.1726 while the most important criteria for two school's students is self-interested with the weightage of 0.1850.