

UNIVERSITI TEKNOLOGI MARA

TECHNICAL REPORT

**A COMPARATIVE STUDY OF
STUDENTS' PERCEPTION ON
KNOWLEDGE ACQUISITION
DURING DIPLOMA STUDIES**

P60S19

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ABSTRACT

This study will focus on the knowledge obtain during diploma studies when they proceed to their degree studies that should be performed efficiently by the students. This investigation presents a contention on the utilization of ordinal qualities in a Likert Scale that speaks to the linguistic terms of the dimension of perception of the Degree in Statistics students that graduates from Diploma in Statistics towards their continuation in degree. The main aim of this section is to present a study on the students' perception of knowledge acquisition during diploma studies using a fuzzy approach. In analyzing the Likert Scale researcher usually use mean or a percentage to evaluate students' perception. The problems are mean usually is affected by extreme values, extreme values can present a wrong picture or distort the results. The percentage method is usually biased because in percentage it measures the average tendency of the simulated values to be larger or smaller than their observed ones. Developing a questionnaire in order to collect the respondent. Obtaining answers from the series of questions that have been made. The target population for our data is the Degree in Statistics students that are doing their final year project who take a Diploma in Statistics during their diploma studies. The benefits of this study are to get a consistent evaluation of students' perception of knowledge acquisition during their diploma studies using fuzzy approach method.