

THE RELATIONSHIP BETWEEN STUDENT'S PERFORMANCE IN SENIOR HIGH SCHOOL AND UNIVERSITY LEVEL ON ENVIRONMENTAL BIOLOGY ASPECT THROUGH STUDENT ADMISSION TEST IN BIOLOGY DEPARTMENT AT MEDAN STATE UNIVERSITY ON ACADEMIC YEAR 2016/2017

KHAIRUNNISA

ABSTRACT

The aim of this research is to know the differences and correlation between student performance in Senior High School (SMA/MA) and University level in Biology Department UNIMED based on higher education admission system (SNMPTN, SBMPTN and UMBPTN) in academic year 2016/2017. Research population consists of 312 students of Biology Department of FMIPA Unimed 2016/2017, while the sample consist of 105 students that was taken by proportional stratified sampling with details 36 students of SNMPTN admission test, 41 students of SBMPTN admission test, and 28 students of UMBPTN admission test. SMA/MA biology achievement, national biology achievement and final examination data collected by documentation study. Meanwhile, Environmental Biology competency and student awareness to environment were collected by test and questionnaire. Research data were analysed by F test (one way ANOVA), stepwise multiple regression and partial correlation by using SPSS 23.0 for windows. Research result showed, student admission significantly influence to report card (X_1) ($F_h=10,887$; $p=0,000$) and also showed significantly influence to student awareness ($F_h=4,746$; $p=0,011$). However, student admission was not significantly influence to national examination (X_2) ($F_h=2,101$; $p=0,128$), final examination (X_3) ($F_h=2,976$; $p=0,098$) and also environmental biology competency (Y) ($F_h=4,746$; $p=0,011$). Furthermore, the result of stepwise multiple regression showed, there were very weak significant correlation between SMA/MA biology achievement, national biology achievement, and final examination toward student environmental biology competency for SNMPTN, SBMPTN, and UMBPTN students. The research result recommend student admission test in higher education by skills and learning outcome test as by SBMPTN system must be kept and its percentage in student admission must be increased. In contrast, the number of student that be recruited by SNMPTN system must be decreased.

Keyword: Student admission test (SNMPTN, SBMPTN, UMBPTN), student awareness to environment, Environmental Biology competency, report card score, national examination score, final examination score