

ABSTRACT

RELATIONSHIP BETWEEN LEARNING MATHEMATICS AND THE ROLE OF TEACHERS IN LEARNING PROCESS OF LEARNING WITH MICROSOFT OFFICE EXCEL 2007 Prodi COMPUTER AND NETWORK ENGINEERING STUDENTS IN CLASS XI SMK Muhammadiyah 1 GREETINGS ACADEMIC YEAR 2012/2013

By : Susanto
NIM : 11502247005

This study aimed to determine the relationship between the Math Learning Outcomes Learning Outcomes Microsoft Office Excel 2007, the relationship between the role of teacher in the Learning Outcomes Learning Microsoft Office Excel 2007, and the relationship between Learning Outcomes and the Role of Teachers in Mathematics Learning together with Learning Outcomes Microsoft Office Excel 2007 Prodi Computer Engineering and Networks Class XI student at SMK Muhammadiyah 1 Hail in Academic Year 2012/2013.

This research is Ex-post facto quantitative approach. The subjects of this study were students of class XI Prodi Computer Engineering and Networks in SMK Muhammadiyah 1 Greetings. Data collection using questionnaires for variables Teacher Role in the Process of Learning and the documentation for the variable results of Learning Mathematics and Learning Outcomes Microsoft Office Excel 2007. Test the validity of the instrument using Product Moment Correlation formula and test the reliability of using the formula Croanbach's Alpha. Test requirements analysis includes normality test, linearity and multicollinearity test. The first and second hypothesis testing using Product Moment correlation, while for the third hypothesis testing using multiple correlation.

The results showed that: (1) There is a positive and significant relationship with the Mathematics Learning Outcomes Learning Outcomes Microsoft Office Excel 2007. This was indicated by the correlation coefficient (r_{x1y}) of 0.307, p-value $0.010 < 0.05$, the coefficient determinant (r^2_{x1y}) of 0.094, 2.658 t count for more than t_{table} by 2,000, (2) There is a positive and significant role of teachers in Learning Outcomes Learning with Microsoft Office Excel 2007. This was indicated by the correlation coefficient (r_{x2y}) of 0.393, p-value $0.001 < 0.05$, the coefficient determinant (r^2_{x2y}) of 0.155, 3.527 t count for more than t_{table} by 2,000, (3) There is a positive and significant relationship Mathematics Learning Outcomes and the Role of Teachers in the Process of Learning together with the Learning Microsoft Office Excel 2007. This was indicated by Fhitung 7.995 greater than 3.13 or a probability F_{table} 0.001. Coefficient determinant ($R^2_{y1, 2}$) of 0.193 means that 19.3% of the variance that occurs in the variable Result Learning Microsoft Office Excel 2007 is determined by the variance of outcome variables that occur in learning mathematics and the role of the teacher in the learning process.