

**THE RELATION BETWEEN THE INTENSITY OF THE USE OF COMPUTER
LABORATORY FACILITY AND LEARNING MOTIVATION AND LEARNING
RESULT OF INFORMATION AND COMMUNICATION TECHNOLOGY (TIK)
OF GRADE XI COMPUTER AND NETWORK ENGINEERING IN SMK
NEGERI 2 DEPOK SLEMAN ACADEMIC YEAR 2012/2013**

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ABSTRACT

This study aimed to discover (1) the relation between intensity of the use of computer laboratory facility and TIK learning result of grade 11 computer and network engineering students of SMKN 2 Depok Sleman Academic Year 2012/2013, (2) the relation between learning motivation and TIK learning result of grade XI computer and network engineering students of SMKN 2 Depok Sleman Academic Year 2012/2013, (3) the relation between the intensity of the use of computer laboratory facility and learning motivation at the same time and TIK learning result of grade XI computer and network engineering students of SMKN 2 Depok Sleman Academic Year 2012/2013.

This study was a descriptive correlation *Ex-post Facto* research with quantitative approach. The population of this study was 62 grade XI computer and network engineering students of SMKN 2 Depok Sleman Academic Year 2012/2013. Data collection method for the Intensity of the Use of Computer Laboratory Facility and Learning Motivation variables was closed questionnaires with *likert* scale, while for TIK Learning Result variable the method was documentation of TIK scores in report cards from the first semester to the second semester. Research instrument validity was tested with item analysis calculated with *Product moment* correlation formula. Instrument reliability was calculated with *Alpha Cronbach* formula. Data analysis technique to test hypothesis 1 and 2 was *Product moment* correlation, while hypothesis 3 used multiple regression analysis technique with two predictors.

Research results showed that (1) there was positive relation between the Intensity of the Used of Computer Laboratory Facility (X1) and TIK Learning Result (Y) which showed in r_{x1y} value 0.515 and r_{2x1y} value 0.265 as well as SE 14.6% and SR 44.2%. (2) there was positive relation between Learning Motivation (X2) and TIK Learning Result (Y) which showed in r_{x2y} value 0.532 and r_{2x2y} value 0.283 as well as SE 18.3% and SR 55.8%. (3) there was positive relation between the Intensity of the Use of Computer Laboratory Facility (X1), and Learning Motivation (X2) at the same time and TIK Learning Result (Y) which was showed by multiple regression coefficient $R_{y(1,2)}$ 0.573 and moderate correlation interpretation and coefficient of determination (R^2) score 0.329 which meant that 32.9 % of change in TIK Learning Result variable (Y) could be explained by Intensity of the Use of Computer Laboratory Facility (X1) and Learning Motivation (X2) variables.

Keywords : TIK Learning Result, Intensity of the Use of Coputer Laboratory Facility, Learning Motivation.