The Contribution of Learning Achievement and Industrial Practice on Work Readiness of Third Grade Mechanical Students of SMK PIRI 1 Yogyakarta

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This study has a purpose to find out the contribution of learning achievement and industrial practice which conducted individually or group on work readiness of third grade mechanical students of SMK PIRI 1 Yogyakarta.

This study is an expose facto (correlation) by using quantitative approach. This study was conducted on SMK PIRI 1 Yogyakarta. The sample of this study is saturated sample. That means the number of sample as same as the number of population. The sample of this study was third grade engineering students of SMK PIRI 1 Yogyakarta consisted of 20 students. The data were collected by using questionnaire is for the work readiness variable with Linkert's scale and the data were collected by using documentation method is for the students' achievement and industrial practice. The testing of analysis requirement consisted of normality test, linearity test, and multikolinierity test. Data analysis technique was using descriptive analysis was used to find out the value of mean, median, modus, and standard deviation. Product moment analysis with the significance level of 5% was used to analyze the first hypothesis and second hypothesis, and the regression analysis with the significance level of 5% was used to analyze third hypothesis.

The result of data analysis shows (1) there was positive and significant contribution at the level of 26% between the students' achievement variable and work readiness variable. It was shown by the correlation coefficient r_{yx1} = 0,509 ($>t_{tabel}$ = 0,444), determination coefficient r^2_{yx1} = 0,260, value 2,512 ($> t_{tabel}$ = 2,09) and sig. 0,022 = ($< 0,05$); (2) there was positive and significant contribution at the level of 26,7% between industrial practice variable and work readiness. It is shown by the correlation coefficient r_{yx2} = 0,517 ($>t_{tabel}$ = 0,444), determination coefficient r^2_{yx2}= 0,267, nilai t_{hitung} = 2,561 ($> t_{tabel}$ = 2,09) and sig. 0,022 = ($< 0,05$); (3) there was positive and significant contribution at the level of 55,8% between the students' achievement, industrial practice and work readiness. It was shown by the correlation coefficient R_{yx1x2} = 0,747, determination coefficient R^2_{yx1x2} = 0,558 with F_{hitung} = 10,722 ($>F_{tabel}$ = 3, 59) and sig. = 0,001 ($< 0,05$).

Key Words : Learning achievement, Industrial practice, work readiness.