

## ABSTRAK

**Pasaribu, Hilda Karolina (NIM. 508111027). Hubungan Kreativitas dan Penguasaan Penggunaan Alat Kerja Praktek Kayu dengan Hasil Belajar Praktek Konstruksi Kayu pada Siswa Kelas XI Program Keahlian Teknik Furniture SMK Negeri 1 Merdeka, Berastagi Tahun Ajaran 2012/2013. Skripsi, Fakultas Teknik UNIMED, Medan 2012.**

Penelitian ini bertujuan untuk mengetahui Hubungan Kreativitas dan Penguasaan Penggunaan Alat Kerja Praktek Kayu Dengan Hasil Belajar Praktek Konstruksi Kayu Pada Siswa Kelas XI Program Keahlian Teknik Furniture SMK Negeri 1 Merdeka dengan jumlah responden 22 orang.

Data penelitian variabel Kreativitas ( $X_1$ ) dijarung dengan angket. Penguasaan Penggunaan Alat Kerja Praktek Kayu ( $X_2$ ) dijarung dengan tes dan observasi aktivitas siswa. Dan Hasil belajar Praktek Konstruksi Kayu ( $Y$ ) dijarung dengan Observasi.

Berdasarkan uji coba instrumen didapat hasil : (1) variabel Kreativitas ( $X_1$ ) 24 soal valid, reliabilitas sangat tinggi sebesar 0,84 pada taraf signifikansi 5%. (2) variabel Penguasaan Penggunaan Alat Kerja Praktek Kayu ( $X_2$ ) 26 soal yang valid, reliabilitas yang sangat tinggi sebesar 0,80 pada taraf signifikansi 5%.

Uji normalitas dengan chi-kuadrat masing-masing variabel penelitian didapat hasil sebagai berikut : (1) variabel kreativitas ( $X_1$ ) yaitu  $\chi^2_{hit} = 4,005 < \chi^2_{tab} = 11,07$  berdistribusi normal pada taraf signifikan 5%. (2) variabel penguasaan penggunaan alat kerja praktek kayu ( $X_2$ ) yaitu  $\chi^2_{hit} = 5,062 < \chi^2_{tab} = 11,07$  berdistribusi normal pada taraf signifikan 5%. (3) variabel hasil belajar praktek konstruksi kayu ( $Y$ ) yaitu  $\chi^2_{hit} = 5,145 < \chi^2_{tab} = 11,07$  berdistribusi normal pada taraf signifikan 5%.

Hasil uji masing-masing variabel penelitian didapat hasil : (1) persamaan regresi sederhana  $Y$  atas  $X_1$  yaitu  $\hat{Y} = 78,27 + 5,06X_1$ , uji kelinieran persamaan regresi  $Y$  atas  $X_1$  yaitu  $F_{hit} = 0,49 < F_{tab} = 3,96$  mempunyai hubungan yang linier dan berarti pada taraf signifikansi 5%. (2) persamaan regresi sederhana  $Y$  atas  $X_2$  yaitu  $\hat{Y} = 51,79 + 1,33X_2$ , uji kelinieran persamaan regresi  $Y$  atas  $X_2$  yaitu  $F_{hit} = 1,08 < F_{tab} = 2,72$  mempunyai hubungan yang linier dan berarti pada taraf signifikansi 5%.

Hasil analisis korelasi antar variabel didapat hasil : (1) variabel kreativitas ( $X_1$ ) dengan hasil belajar praktek konstruksi kayu ( $Y$ ) yaitu  $r_{hit} = 0,45 > r_{tab} = 0,423$  menunjukkan korelasi positif dan berarti. (2) penguasaan penggunaan alat kerja praktek kayu ( $X_2$ ) dengan hasil praktek konstruksi kayu ( $Y$ ) yaitu  $r_{hit} = 0,6 > r_{tab} = 0,423$  menunjukkan korelasi positif dan berarti pada taraf signifikansi 5%.

Berdasarkan hasil penelitian ini diperoleh terdapat hubungan yang positif dan berarti antara kreativitas ( $X_1$ ) dengan hasil belajar praktek konstruksi kayu ( $Y$ ). Terdapat hubungan yang positif dan berarti antara penguasaan penggunaan alat kerja praktek kayu ( $X_2$ ) dengan hasil belajar praktek konstruksi kayu ( $Y$ ). Dan terdapat hubungan yang positif dan berarti secara bersama-sama antara kreativitas ( $X_1$ ) dan penguasaan penggunaan alat kerja praktek kayu ( $X_2$ ) dengan hasil belajar praktek konstruksi kayu ( $Y$ ).

## ABSTRACT

**Pasaribu, Hilda Karolina (NIM. 508111027). The correlation between The Creativity and The control to Using Tools of Wood Practice Working with The Outcome Students learning in Wood Construction Practice at SMK Negeri 1 Merdeka, Berastagi Class XI Furniture Engineering Program 2012/2013. A Thesis. Faculty of Engineering. State University of Medan. 2012.**

This study is attempted to know the correlation between the creativity and the control to using tools of wood practice working with the outcome students learning in wood construction practice at SMK Negeri 1 Merdeka, Berastagi class XI Furniture Engineering Program 2012/2013 with 22 respondents.

The instruments for collecting the data of creativity ( $X_1$ ) as independent variable were taken from questionnaire scores, the control to using tools of wood practice working ( $X_2$ ) as the other independent variable were taken up from test scores and the student's activity observation. And the outcome students learning in wood construction practice ( $Y$ ) as dependent variable were taken up from observation's when they do practice.

Based on the test instrument, the result was found as follows: (1) creativity ( $X_1$ ) with 24 valid questions, in a very high reliability in amount of 0,84 at 5% test significance. (2) control to using tools of wood practice working ( $X_2$ ) with 26 valid questions, in a very high reliability in amount of 0,80 at 5% test significance.

The test for normality with chi-square in each variable can be seen as follows: (1) creativity ( $X_1$ ) is  $\chi^2_{cal} = 4,005 < \chi^2_{tab} = 11,070$  with normal distribution at 5% test significance. (2) control to using tools of wood practice working ( $X_2$ ) is  $\chi^2_{cal} = 5,062 < \chi^2_{tab} = 11,070$  with normal distribution at 5% test significance. (3) students' achievement in budget estimate planning ( $Y$ ) is  $\chi^2_{cal} = 5,145 < \chi^2_{tab} = 11,070$  with normal distribution at 5% test significance.

From the test instrument, the results were found as follows: (1) simple regression equation  $Y$  on  $X_1$  was  $\hat{Y} = 78,27 + 5,06X_1$ , test linier regression  $Y$  on  $X_1$  was  $F_{cal} = 0,49 < F_{tab} = 3,96$  had the linear correlation at 5% test significance. (2) simple regression equation  $Y$  on  $X_2$  was  $\hat{Y} = 51,79 + 1,33X_2$ , had the linear regression  $Y$  on  $X_2$  was  $F_{cal} = 1,08 < F_{tab} = 2,72$  had the linear correlation at 5% test significance.

The data analysis of the variable correlation can be seen as follows: (1) creativity ( $X_1$ ) with outcome students learning in wood construction practice ( $Y$ ) is  $r_{cal} = 0,45 > r_{tab} = 0,423$  show the positive correlation at 5% test significance. (2) control to using tools of wood practice working ( $X_2$ ) with outcome students learning in wood construction practice ( $Y$ ) is  $r_{cal} = 0,6 > r_{tab} = 0,423$  show the positive correlation at 5% test significance.

Based on result of this research obtained there is relationship which are positive and means between creativity ( $X_1$ ) with outcome students learning in wood construction practice ( $Y$ ). There is relationship which are positive and means between control to using tools of wood practice working ( $X_2$ ) with

outcome students learning in wood construction practice (Y). There is relationship which are positive and means jointly between creativity ( $X_1$ ) and control to using tools of wood practice working ( $X_2$ ) with outcome students learning in wood construction practice (Y).



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