

ABSTRAK

Silaban, Yohanes Arion (NIM. 5103111040) Hubungan antara Kecerdasan Logis Matematis dan Konsep Diri dengan Hasil Belajar Rencana Anggaran Biaya (RAB) pada Siswa Kelas XI Program Keahlian Teknik Bangunan SMK Negeri 1 Lintongnihuta Tahun Ajaran 2016/2017. Skripsi, Fakultas Teknik UNIMED, Medan 2017.

Penelitian ini bertujuan untuk mengetahui Hubungan antara Kecerdasan Logis Matematis dan Konsep Diri dengan Hasil Belajar Rencana Anggaran Biaya (RAB) pada Siswa Kelas XI Program Keahlian Teknik Bangunan SMK Negeri 1 Lintongnihuta Tahun Ajaran 2016/2017 dengan jumlah responden 22 orang.

Data penelitian variabel Kecerdasan Logis Matematis (X_1) dan Hasil Belajar Rencana Anggaran Biaya (Y) dijarang dengan tes, sedangkan Konsep Diri (X_2) dijarang dengan angket.

Berdasarkan uji coba instrumen didapat hasil : (1) variabel kecerdasan logis matematis (X_1) 30 soal valid, reliabilitas sangat tinggi sebesar 0,880 pada taraf signifikansi 5%. (2) variabel konsep diri (X_2) 36 soal yang valid, reliabilitas yang sangat tinggi sebesar 0,929 pada taraf signifikansi 5%. (3) variabel hasil belajar rencana anggaran biaya (Y) 34 soal yang valid, reliabilitas sangat tinggi sebesar 0,885 pada taraf signifikansi 5%.

Uji normalitas dengan chi-kuadrat masing-masing variabel penelitian didapat hasil sebagai berikut : (1) variabel kecerdasan logis matematis (X_1) yaitu $\chi^2_{hit} = 8,328 < \chi^2_{tab} = 11,1$ berdistribusi normal pada taraf signifikan 5%. (2) konsep diri (X_2) yaitu $\chi^2_{hit} = 9,780 < \chi^2_{tab} = 11,1$ berdistribusi normal pada taraf signifikan 5%. (3) variabel hasil belajar rencana anggaran biaya (Y) yaitu $\chi^2_{hit} = 3,210 < \chi^2_{tab} = 11,1$ berdistribusi normal pada taraf signifikan 5%.

Hasil uji masing-masing variabel penelitian didapat hasil : (1) persamaan regresi sederhana Y atas X_1 yaitu $Y = 9,727 + 0,612X_1$, uji kelinieran persamaan regresi Y atas X_1 yaitu $F_{hit} = 0,565 < F_{tab} = 2,97$ mempunyai hubungan yang linier dan berarti pada taraf signifikansi 5%. (2) persamaan regresi sederhana Y atas X_2 yaitu $Y = 9,389 + 0,297X_2$, uji kelinieran persamaan regresi Y atas X_2 yaitu $F_{hit} = 2,62 < F_{tab} = 4,62$ mempunyai hubungan yang linier dan berarti pada taraf signifikansi 5%.

Hasil analisis korelasi antar variabel didapat hasil : (1) variabel kecerdasan logis matematis (X_1) dengan hasil belajar rencana anggaran biaya (Y) yaitu $r_{hit} = 0,551 > r_{tab} = 0,423$ menunjukkan korelasi positif dan berarti. (2) konsep diri (X_2) dengan hasil rencana anggaran biaya (Y) yaitu $r_{hit} = 0,602 > r_{tab} = 0,423$ menunjukkan korelasi positif dan berarti pada taraf signifikansi 5%.

Berdasarkan hasil penelitian ini diperoleh terdapat hubungan yang positif dan berarti antara kecerdasan logis matematis (X_1) dengan hasil belajar rencana anggaran biaya (Y). Terdapat hubungan yang positif dan berarti antara konsep diri (X_2) dengan hasil belajar rencana anggaran biaya (Y). Terdapat hubungan yang positif dan berarti secara bersama-sama antara kecerdasan logis matematis (X_1) dan konsep diri (X_2) dengan hasil belajar rencana anggaran biaya (Y).

ABSTRACT

Silaban, Yohanes Arion (NIM. 5103111040). The correlation between The Logical-Mathematics Intelligence and Self-concept with The Students' Achievement in Budget-estimate planning at SMK Negeri 1 Lintongnihuta Class XI Building Engineering Program 2016/2017. A Thesis. Faculty of Engineering. State University of Medan. 2017.

This study is attempted to know the correlation between the logical-mathematics intelligence and self-concept with the students' achievement in budget-estimate planning at SMK Negeri 1 Lintongnihuta class XI Building Engineering Program 2016/2017 with 22 respondents.

The instruments for collecting the data of logical-mathematics intelligence (X_1) as independent variable and the students' achievement in budget-estimate planning (Y) as dependent variable were taken up from test scores, while the data of self-concept (X_2) as the other independent variable were taken from questionnaire scores.

Based on the test instrument, the result was found as follows: (1) logical-mathematics intelligence (X_1) with 30 valid questions, in a very high reliability in amount of 0,880 at 5% test significance. (2) self-concept (X_2) with 36 valid questions, in a very high reliability in amount of 0,929 at 5% test significance. (3) students' achievement in budget estimate planning (Y) with 34 valid questions, in a very high reliability in amount of 0,885 at 5% test significance.

The test for normality with chi-square in each variable can be seen as follows: (1) logical-mathematics intelligence (X_1) is $\chi^2_{cal} = 8,328 < \chi^2_{tab} = 11,070$ with normal distribution at 5% test significance. (2) self-concept (X_2) is $\chi^2_{cal} = 9,780 < \chi^2_{tab} = 11,070$ with normal distribution at 5% test significance. (3) students' achievement in budget estimate planning (Y) is $\chi^2_{cal} = 3,210 < \chi^2_{tab} = 11,070$ 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 $\hat{Y} = 9,727 + 0,612X_1$, test linier regression Y on X_1 was $F_{cal} = 0,565 < F_{tab} = 2,97$ had the linear correlation at 5% test significance. (2) simple regression equation Y on X_2 was $\hat{Y} = 9,389 + 0,297X_2$, had the linear regression Y on X_2 was $F_{cal} = 2,62 < F_{tab} = 2,97$ had the linear correlation at 5% test significance.

The data analysis of the variable correlation can be seen as follows: (1) logical-mathematics intelligence (X_1) with students' achievement in budget estimate planning (Y) is $r_{cal} = 0,551 > r_{tab} = 0,423$ show the positive correlation at 5% test significance. (2) self-concept (X_2) with students' achievement in budget estimate planning (Y) is $r_{cal} = 0,602 > r_{tab} = 0,423$ show the positive correlation at 5% test significance.

Based on result of this research obtained there is relationship which are positive and means between logical-mathematics intelligence (X_1) with achievement in budget estimate planning (Y). There is relationship which are positive and means between self-concept (X_2) with achievement in budget estimate planning (Y). There is relationship which are positive and means jointly between logical-mathematics intelligence (X_1) and self-concept (X_2) with achievement in budget estimate planning (Y).