

ABSTRAK

Telaumbanua, Lestari, 212117044, Pengaruh Model pembelajaran *Giving Question Getting Answer* dalam Meningkatkan Kemampuan Berpikir Kritis Matematis Siswa SMK Negeri 2 Gunungsitoli, Skripsi, Pembimbing Yakin Niat Telaumbanua, S.Pd., M.Pd.

Penelitian ini didasarkan dari hasil studi pendahuluan yang dilakukan peneliti di SMK Negeri 2 Gunungsitoli, ditemukan beberapa masalah yaitu (1) Model pembelajaran yang kurang menarik dan kurang bervariasi, (2) Kemampuan berpikir kritis Siswa masih rendah dalam menyelesaikan soal matematika. Tujuan penelitian untuk mengetahui pengaruh model pembelajaran *Giving Question Getting Answer* (GQGA) dalam meningkatkan kemampuan berpikir kritis matematis siswa. Jenis penelitian ini adalah penelitian kuantitatif menggunakan metode eksperimen semu dengan desain *pretest-posttest control group design*. Populasi penelitian ini adalah siswa kelas X dan sampel penelitian terdiri dari dua kelas yaitu X-MP sebagai kelas eksperimen dan X-NKN sebagai kelas kontrol. Instrumen dalam penelitian ini ada dua yaitu *pretest-posttest* dengan nilai yang diperoleh pada *pretest* kelas eksperimen dengan rata-rata 40,85 sedangkan kelas kontrol memperoleh rata-rata 40,05 dan pada *posttest* kelas eksperimen memperoleh nilai dengan rata-rata 77,8 sedangkan kelas kontrol 64,08. Maka hasil penelitian yang diperoleh berdasarkan pengujian hipotesis diperoleh diperoleh nilai $t_{hitung} = 5,666$ dan nilai $t_{tabel} = 1,672$. Karena $t_{hitung} > t_{tabel}$ atau $5,666 > 1,672$ maka tolak H_0 terima H_a . Sehingga dapat disimpulkan “Ada pengaruh model pembelajaran *Giving Question and Getting Answer* dalam meningkatkan kemampuan berpikir kritis matematis siswa”.

Kata Kunci : Model Pembelajaran *Giving Question Getting Answer*, Kemampuan Berpikir Kritis Matematis, Pendidikan Matematika

ABSTRACT

Telaumbanua, Lestari, 212117044, The Influence of the Giving Question Getting Answer Learning Model on Improving Students' Mathematical Critical Thinking Ability at SMK Negeri 2 Gunungsitoli, Thesis, Supervisor: Yakin Niat Telaumbanua, S.Pd., M.Pd.

This research is based on the results of a preliminary study conducted by the researcher at SMK Negeri 2 Gunungsitoli, where several problems were found, namely: (1) the learning model was less engaging and lacked variety, and (2) students' critical thinking skills were still low in solving mathematics problems. The purpose of this research is to determine the effect of the Giving Question Getting Answer (GQGA) learning model in improving students' mathematical critical thinking skills. This research is quantitative, using a quasi-experimental method with a pretest-posttest control group design. The population of this research is grade X students, and the sample consists of two classes: X-MP as the experimental class and X-NKN as the control class. The instruments in this research are twofold, namely pretest and posttest. The results obtained in the pretest showed that the experimental class had an average score of 40.85, while the control class had an average of 40.05. In the posttest, the experimental class achieved an average score of 77.8, while the control class scored an average of 64.08. The results of hypothesis testing show that the t-count value is 5.666 and the t-table value is 1.672. Since $t\text{-count} > t\text{-table}$ or $5.666 > 1.672$, H_0 is rejected and H_a is accepted. Thus, it can be concluded that "The Giving Question and Getting Answer learning model has an effect on improving students' mathematical critical thinking skills."

Keywords: Giving Question Getting Answer Learning Model, Mathematical Critical Thinking Ability, mathematic of education