PENGARUH PENERAPAN MODEL PEMBELAJARAN *NUMBERED HEAD TOGETHER* BERBASIS PERTANYAAN KONTEKSTUAL (NHT-BPK) TERHADAP KETERAMPILAN KERJASAMA DALAM TIM KELAS X SMA NEGERI 1 TEGALDLIMO

Oleh

Wildan Babul Rayyan,2013041021

Program Studi Pendidikan Biologi

Jurusan Biologi dan Perikanan Kelautan

ABSTRAK

Pembelajaran abad 21 memeiliki peranaan penting, pembelajaran tradisional menjadi pendidikan modern untuk menjamin siswa memiliki pengetahuan, keterampilan belajar dan berinovasi, keterampilan menggunakan teknologi, dan keterampilan untuk *life skills*. Penelitian ini bertujuan untuk mengetahui profil, peningkatan, dan perbedaan peningkatan keterampilan kerjasama antara siswa yang dibelajarkan dengan model pembelajaran *numbered head together* berbasis pertanayan kontekstual (NHT-BPK) dengan *direct intruction* (DI). Penelitian ini berlokasi di SMA Negeri 1 Tegaldlimo, dengan popoulasi penelitian kelas X yang dipilih melalui teknik undian, dimana kelas X.5 menjadi kelas eksperimen dan kelas X.4 menjadi kelas kontrol. Pengumpulan data pada penelitian ini menggunakan teknik kusioner, kusioner diberikan sebelum perlakuan dan setelah perlakuan. Analisis data profil keterampilan kerjasama menggunakan rumus *N-Gain*, analisis data peningkatan keterampilan kerjasama menggunakan rumus peningkatan nilai kerjasama, dan uji hipotesis menggunakan *SPSS 25,0 for windows* dengan uji *Mann-Whiteney*. Hasil hipotesis menunjukan bahwa probabilitas (Sig. 2 talled) = 0,00 < 0,05 (p < 0,05), maka H_o ditolak. Hal ini dapat disimpulkan bahwa ada perbedaan peningkatan keterampilan kerjasama antara siswa yang dibelajarkan menggunakan model pembelajaran NHT-BPK dengan model pembelajaran DI. Pada penelitian ini dapat disimpulkan bahwa model pembelajaran NHT-BPK terhadap keterampilan kerjasama berpengaruh dalam pembelajaran.implikasi penelitian penerapan model pembelajaran NHT-BPK terbukti efektif dalam meningkatkan keterampilan kerjasama siswa.

Kata Kunci: Pembelajaran Abad 21, Keterampilan kerjasama, Numbered Head Together Berbasis Pertanyaan Kontekstual

THE EFFECT OF APPLICATION OF THE NUMBERED HEAD TOGETHER LEARNING MODEL BASED ON CONTEXTUAL QUESTIONS (NHT-BPK) ON COOPERATION SKILLS IN CLASS X TEAM OF SMA NEGERI 1 TEGALDLIMO

By

Wildan Babul Rayyan,2013041021

Biology Education Study Program

Department of Marine Biology and Fisheries

ABSTRACT

21st century learning has an important role, traditional learning becomes modern education to ensure students have knowledge, learning and innovation skills, skills to use technology, and skills for life skills. This research aims to determine the profile, improvement and differences in improving collaboration skills between students who are taught using the numbered head together learning model based on contextual questions (NHT-BPK) with direct instruction (DI). This research was located at SMA Negeri 1 Tegaldlimo, with a class X research population selected through a lottery technique, where class X.5 was the experimental class and class X.4 was the control class. Data collection in this study used questionnaire techniques, questionnaires were given before treatment and after treatment. Analysis of cooperation skills profile data using the N-Gain formula, analysis of data on increasing cooperation skills using the formula for increasing cooperation values, and hypothesis testing using SPSS 25.0 for windows with the Mann-Whiteney test. The hypothesis results show that the probability (Sig. 2 talled) = 0.00 < 0.05 (p < 0.05), then H_0 is rejected. It can be concluded that there is a difference in improving collaboration skills between students who are taught using the NHT-BPK learning model and the DI learning model. In this research, it can be concluded that the NHT-BPK learning model on collaboration skills has an influence on learning. Research implications of implementing the NHT-BPK learning model have proven to be effective in improving students' collaboration skills.

Key words: *21st Century Learning, Collaboration Skills, Numbered Head Together Based on Contextual Question*