

ABSTRACT

Influence of Quantum Learning Method and Motivation against Concept Training IPA of Class IV Grade Students of SD Gugus II Kecamatan Nanggalo Padang

Zulhasneti

This research was motivated by the low capability of understanding the concept and students' motivation. This is evident from the results of student learning. Learning is still centered on the teacher, resulting in the low persistence, tenacity, interests, independence, and interest in science. This study aims to determine: (1) the influence of understanding of the concept taught by Quantum Learning methods than conventional study (2) the effect of understanding the concept of motivation to learn taught by Quantum Learning methods than those taught by conventional teaching (3) the effect of understanding of the concept with low learning motivation taught by Quantum Learning methods than those taught by conventional teaching (4) the interaction between learning strategy and learning motivation influencing the understanding of the concept.

This type of research is quasi-experimental research design was Randomized Control Group Only Design used a 2 x 2 factorial population in this study were all fourth grade students of SD Gugus II Kecamatan Nanggalo Padang. Samples were students in grade IV-A and IV-B SDN 09 Surau Gadang. The sampling technique in this research is simple random sampling. Data were obtained from questionnaires of learning motivation and understanding of the concept. Data were analyzed using t-test and two-way Anova.

Based on the research results can be stated that: (1) understanding of the concepts taught by Quantum Learning method is higher than that taught by conventional teaching appropriate test calculations t where $t_{hitung} = 4.98$ and $t_{table} = 1.668$ (2) understanding of the concept with high learning motivation taught by higher Quantum learning methods taught by conventional teaching as calculated by t test was $t_{hitung} = 3.34$ and $t_{table} = 1.692$ (3) understanding of the concept with a low learning motivation methods taught by Quantum higher learning taught by conventional learning models $t = 2.68$ and $t_{table} = 1.697$ (4) There is no interaction between learning method with learning motivation in influencing the look of understanding of the concept of $F = 0.28$ and $F_{table} = 3.988$ means H_0 H_1 accepted and rejected. This means Quantum Learning method significantly affect learning motivation and comprehension of students in learning science concepts.

ABSTRAK

Pengaruh Metode *Quantum Learning* dan Motivasi Belajar Terhadap Pemahaman Konsep IPA Siswa Kelas IV SD Gugus II Kecamatan Nanggalo Padang

Zulhasneti

Penelitian ini dilatar belakangi dari rendahnya kemampuan pemahaman konsep dan motivasi belajar siswa. Hal ini terlihat dari hasil belajar siswa. Pembelajaran masih berpusat pada guru, sehingga berakibat pada rendahnya ketekunan, keuletan, minat, kemandirian, dan ketertarikan terhadap IPA. Penelitian ini bertujuan untuk mengetahui tentang pengaruh metode *Quantum Learning* dan motivasi belajar terhadap pemahaman konsep IPA siswa kelas IV SD Gugus II Kecamatan Nanggalo Padang..

Jenis penelitian adalah *Quasi Eksperimen* dengan rancangan penelitian menggunakan adalah *Randomized Control Group Only Design* faktorial 2×2 . Populasi dalam penelitian ini adalah seluruh siswa kelas IV SD Gugus II Kecamatan Nanggalo. Sampel penelitian adalah siswa kelas IV-A dan IV-B SDN 09 Surau Gadang. Teknik pengambilan sampel pada penelitian ini adalah *simple random sampling*. Data penelitian diperoleh dari angket motivasi belajar dan pemahaman konsep. Data dianalisis dengan uji-t dan Anava dua arah.

Berdasarkan hasil penelitian dapat dikemukakan bahwa:(1) pemahaman konsep diajar dengan metode *Quantum Learning* lebih tinggi dibandingkan yang diajar dengan pembelajaran konvensional sesuai perhitungan uji t dimana thitung = 4,98 dan ttabel = 1,668.(2) pemahaman konsep dengan motivasi belajar tinggi yang diajar dengan metode *Quantum Learning* lebih tinggi yang diajar dengan pembelajaran konvensional sesuai perhitungan uji t dimana thitung = 3,34 sedang ttabel = 1,692(3) pemahaman konsep dengan motivasi belajar yang rendah diajar dengan metode *Quantum Learning* lebih tinggi yang diajar dengan model pembelajaran konvensional terlihat dari thitung = 2,68 dan ttabel = 1,697 (4) Tidak terdapat interaksi antara metode pembelajaran dengan motivasi belajar dalam mempengaruhi pemahaman konsep yang terlihat dari thitung = 0,28 dan ttabel = 3,988. Artinya metode *Quantum Learning* berpengaruh secara signifikan terhadap motivasi belajar dan pemahaman konsep IPA siswa dalam pembelajaran.