

ABSTRAK

TETTI MAHRANI PULUNGAN. Pengembangan Model *Project Based Learning* Berbasis *Joyfull Learning* Pada Kimia Vokasi Dalam Meningkatkan minat Wirausaha dan Kemampuan Berpikir Kreatif Siswa SMK. Disertasi. Medan: Program Studi Pendidikan Kimia. Pascasarjana Universitas Negeri Medan, 2023.

Penelitian ini bertujuan untuk: (1) mengetahui Kevalidan Model *Project based learning* Berbasis *Joyfull Learning* Pada Kimia Vokasi; (2) mengetahui Kepraktisan Model *Project based learning* Berbasis *Joyfull Learning* Pada Kimia Vokasi; dan (3) mengetahui Keefektifan Model *Project based learning* Berbasis *Joyfull Learning* Pada Kimia Vokasi Untuk Meningkatkan kreativitas Dan kemampuan berpikir kreatif Siswa SMK. Penelitian ini termasuk penelitian pengembangan yang dilaksanakan terhadap guru di SMK Batang Onang. Subjek dalam penelitian ini adalah guru terdiri dari masing 34 guru. Objek dalam penelitian ini adalah produk pengembangan model *Project Based Learning* berbasis *Joyfull Learning*. Hasil penelitian menunjukkan bahwa: (1) Terdapat model pembelajaran *Project Based Learning* berbasis *Joyfull Learning* yang valid. Penilaian dan Tanggapan untuk validator Ahli Bahasa memberikan nilai lebih besar atau sama dengan 3,428 ($\geq 3,0$) dengan kategori valid. Penilaian dan Tanggapan untuk validator Ahli Desain memberikan nilai lebih besar atau sama dengan 3,467 ($\geq 3,0$) dengan kategori valid. Penilaian dan Tanggapan untuk validator Ahli Materi memberikan nilai lebih besar atau sama dengan 3,529 ($\geq 3,0$) dengan kategori valid. Penilaian dan Tanggapan untuk validator Ahli Model memberikan nilai lebih besar atau sama dengan 3,475 ($\geq 3,0$) dengan kategori valid; (2) Hasil praktikalitas model pembelajaran *Project Based Learning* berbasis *Joyfull Learning* oleh guru keseluruhan adalah 85,42% secara keseluruhan berkategori sangat praktis. Dengan demikian, hasil angket kepraktisan oleh guru secara umum menunjukkan bahwa model pembelajaran *Project Based Learning* berbasis *Joyfull Learning* dikategorikan sangat praktis; dan (3) Berdasarkan kriteria ketuntasan perorangan maka dapat ditentukan siswa yang telah tuntas belajar secara perorangan. Berdasarkan data diketahui bahwa ketuntasan secara klasikal sudah mencapai 85,29%. Sehingga kemampuan berpikir kreatif secara klasikal sudah tuntas. Dengan kata lain dapat dinyatakan kemampuan berpikir kreatif siswa yang diajarkan dengan model pembelajaran *Project Based Learning* berbasis *Joyfull Learning* lebih tinggi dari pada kemampuan berpikir kreatif siswa yang diajarkan dengan model pembelajaran konvensional.

Kata Kunci: *Project Based Learning, Joyfull Learning, Kreatifitas, dan Kemampuan Berpikir Kreatif*

ABSTRACT

TETTI MAHRANI PULUNGAN. Development of Project Based Learning Models Based on Joyful Learning in Vocational Chemistry in Improving Entrepreneurial Creativity and Creative Thinking Ability of Vocational School Students. Dissertation. Medan: Chemistry Education Study Program. Medan State University Postgraduate, 2023.

This study aims to: (1) determine the validity of the Project based learning model based on Joyful Learning in Vocational Chemistry; (2) knowing the Practicality of Joyful Learning-Based Project Based Learning Models in Vocational Chemistry; and (3) to find out the effectiveness of the project based learning model based on joyful learning in vocational chemistry to increase the creativity and creative thinking skills of vocational students. This research includes development research conducted on teachers at SMK Batang Onang. The subjects in this study were teachers consisting of 34 teachers each. The object of this research is the product of the development of the Project Based Learning model based on Joyful Learning. The results of the study show that: (1) There is a valid Joyful Learning-based Project Based Learning learning model. Assessment and Responses for Language Experts validator gives a value greater than or equal to 3.428 (≥ 3.0) with a valid category. Assessment and Response to Design Experts The validator gives a value greater than or equal to 3.467 (≥ 3.0) with a valid category. Assessment and Response to Material Experts validator gives a value greater than or equal to 3.529 (≥ 3.0) with a valid category. Assessment and Response to Experts The validator model gives a value greater than or equal to 3.475 (≥ 3.0) with a valid category; (2) The results of the practicality of the Project Based Learning learning model based on Joyful Learning by the whole teacher is 85.42% overall in the very practical category. Thus, the results of practicality questionnaires by teachers generally show that the Project Based Learning learning model based on Joyful Learning is categorized as very practical; and (3) Based on individual completeness criteria, it can be determined that students have completed learning individually. Based on the data it is known that classical completeness has reached 85.29%. So that the ability to think creatively classically is complete. In other words, it can be stated that the creative thinking abilities of students who are taught with the Project Based Learning learning model based on Joyful Learning are higher than the creative thinking abilities of students who are taught with conventional learning models.

Keywords: Project Based Learning, Joyful Learning, Creativity, and Creative Thinking Skills