

ABSTRACT

Oriza Candra, 2021. *Development of the Flexibility-Project Based Learning Model in Vocational Education.*

This research is motivated by the results of student learning in the electrical installation practicum learning process is not optimal. Therefore an active and innovative learning model is needed. This study aims to develop a flexibility-project-based learning model in vocational education that is valid, practical and effective.

The development procedure used in this study refers to the ADDIE (Analysis, Design, Development, Implementation and Evaluation) research and development model. The five ADDIE steps developed are: 1) Analysis, namely the first step of preliminary research or needs analysis, 2) Design, namely the second step of planning or designing a flexibility-project based learning model, 3) Development, namely the third step of developing a model by testing validity with Focus Group Discussion (FGD) for the resulting model product, 4) Implementation, which is the fourth step to test the practicality and effectiveness of learning using a flexibility-project based learning model, and 5) Evaluation, which is the fifth step to see whether the learning model being built is successful or not .

This study produces a project-based flexibility-based learning model in the domestic electrical installation practice course vocational education. Based on the results of Research and Development (R&D), it can be concluded that a valid, practical and effective flexibility-based learning model can improve student learning outcomes.

Keywords: *Flexibility-Project Based Learning, Learning Models, Vocational Education.*

ABSTRAK

Oriza Candra, 2021. Pengembangan Model *Flexibility-Project Based Learning* di Pendidikan Vokasi. Disertasi Pascasarjana Fakultas Teknik Universitas Negeri Padang.

Penelitian ini dilatarbelakangi oleh hasil belajar mahasiswa pada proses pembelajaran praktikum instalasi listrik belum optimal. Oleh karena itu dibutuhkan model pembelajaran yang aktif dan inovatif. Penelitian ini bertujuan untuk mengembangkan model *flexibility-project based learning* di pendidikan vokasi yang valid, praktis dan efektif.

Prosedur pengembangan yang dipakai dalam penelitian ini merujuk pada model penelitian dan pengembangan ADDIE (*Analysis, Design, Development, Implementation dan Evaluation*). Kelima langkah ADDIE tersebut yang dikembangkan yaitu: 1) *Analysis* yaitu langkah pertama penelitian pendahuluan atau analisis kebutuhan (*need analysis*), 2) *Design* yaitu langkah kedua perencanaan atau desain model *flexibility-project based learning*, 3) *Development* yaitu langkah ketiga pengembangan model dengan menguji validitas dengan *Focus Group Discussion* (FGD) untuk produk model yang dihasilkan, 4) *Implementation* yaitu langkah keempat menguji praktikalitas dan efektifitas pembelajaran menggunakan model *flexibility-project based learning*, dan 5) *Evaluation* yaitu langkah kelima melihat apakah model pembelajaran yang sedang dibangun berhasil atau tidak.

Penelitian ini menghasilkan model *flexibility-project based learning* pada mata kuliah praktik instalasi listrik domestic di Pendidikan vokasi Berdasarkan hasil penelitian dan pengembangan (R&D) dapat disimpulkan bahwa model *flexibility-project based learning* yang valid, praktis dan efektif dapat meningkatkan hasil belajar mahasiswa.

Kata kunci: *Flexibility-Project Based Learning*, Model Pembelajaran, Pendidikan Vokasi.