

## **ABSTRACT**

**Iqra Natun Nafsiah, 2019. *Development of Project Based Learning of Learning Module in the Subject of Project Management in Building Technique Education FT-UNP.***

*The project management learning process that is not balanced with the achievement of graduate of learning, so that the required project based learning of learning module can help the students learn independently. The purpose of this research is produce a project based learning of learning module that is valid, practical and effective.*

*The method used is Research and Development (R&D) with a 4-D development model. The subject of the research was Building Education Engineering year 2016 students who took the subject of management project even semester academic year 2018/2019.*

*The result obtained from this development research are as follows: (1) Producing project based learning of learning module, (2) Validity of the project based learning of learning module, declared valid in the content aspect with value of  $0.79 > 0.67$ , format aspect obtained with value of  $0.89 > 0.67$  and the presentation aspect obtained with value of  $0.84 > 0.67$ , (3) Practicality of project based learning of learning module, based on three lecturer responses, it was stated that it was very practical with an average of 86.67 and based on 18 student responses were stated to be very practical, the average obtained was 84.94, (4) The effectiveness of project based learning of learning module, declared effective in improving aspects of student knowledge seen from the improvement of student learning outcomes in learning and improving aspects of student skills viewed from the results of assignments project produced. Based on the findings of this study, it was concluded that the project based learning of learning module is valid, practical and effective as a learning module in project management subjects.*

**Keywords:** *Project based learning of learning module, R&D, Learning Module.*

## ABSTRAK

**Iqra Natun Nafsiah, 2019. Pengembangan Modul Pembelajaran *Project Based Learning* pada Mata Kuliah Manajemen Proyek di Pendidikan Teknik Bangunan FT-UNP. Tesis Pascasarjana Fakultas Teknik Universitas Negeri Padang.**

Waktu proses pembelajaran manajemen proyek tidak seimbang dengan capaian pembelajaran sehingga diperlukan modul pembelajaran *project based learning* yang dapat membantu mahasiswa belajar secara mandiri. Tujuan penelitian ini menghasilkan modul pembelajaran *project based learning* yang valid, praktis dan efektif.

Metode yang digunakan Penelitian dan Pengembangan (*Research and Development/R&D*) dengan model pengembangan 4-D. Subjek penelitian mahasiswa Teknik Pendidikan Bangunan Tahun Masuk 2016 yang mengambil mata kuliah manajemen proyek Semester Genap Tahun Ajaran 2018/2019.

Hasil yang diperoleh dari penelitian pengembangan ini sebagai berikut: (1) Modul pembelajaran *project based learning*, (2) Validitas modul pembelajaran *project based learning*, dinyatakan valid pada aspek *content* (isi) dengan nilai  $0,79 > 0,67$ , aspek format diperoleh nilai  $0,89 > 0,67$  dan aspek penyajian didapat nilai  $0,84 > 0,67$ , (3) Praktikalitas modul pembelajaran *project based learning*, berdasarkan tiga respon dosen dinyatakan sangat praktis dengan nilai rata-rata 86,67 dan berdasarkan 18 respon mahasiswa dinyatakan sangat praktis diperoleh nilai rata-rata 84,94, (4) Modul pembelajaran *project based learning*, dinyatakan efektif dapat meningkatkan aspek pengetahuan mahasiswa terlihat dari meningkatkan hasil belajar mahasiswa dan efektif meningkatkan aspek keterampilan mahasiswa dilihat dari hasil tugas proyek yang dihasilkan. Berdasarkan hasil penelitian ini maka dapat disimpulkan bahwa modul pembelajaran *project based learning* telah valid, praktis dan efektif sebagai sumber belajar pada mata kuliah manajemen proyek.

**Kata Kunci:** Modul Pembelajaran *Project Based Learning*, R&D, Modul Pembelajaran.