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711	07-10	Tin NeC	Drastiawati, Adiwibowo, Siregar,...	DEVELOPING MODULE HANDBOOK IN OUTCOME BASED EDUCATION...	PAPER IN REVIEW: REVISIONS REQUIRED

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#711 Summary

SUMMARYREVIEW

Submission

Authors

Title

Original file

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Submitter

Date submitted

Track

Director

Author comments

Novi Sukma Drastiawati, Priyo Heru Adiwibowo, Indra Herlamba Siregar, Iskandar Iskandar

Developing Module Handbook in Outcome Based Education (OBE) Curriculum for Undergraduate Mechanical Engineering

[711-932-1-SM.DOCX](#) 2021-07-10

None

Mrs Novi Sukma Drastiawati

July 10, 2021 - 06:50 PM

Transformation in/for the New Curriculum

Irena Maureen (Director)

Transformation in/for the New Curriculum - Kurikulum Merdeka Belajar

Status

Initiated

Last modified

Paper In Review

2021-09-06

2021-09-29

Submission Metadata

Authors

Name

Affiliation

Country

Bio statement

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Title and Abstract

Title

Abstract

Developing Module Handbook in Outcome Based Education (OBE) Curriculum for Undergraduate Mechanical Engineering

The development of the world of education is required to be more competitive and have quality in accordance with international standards, including the Mechanical Engineering Undergraduate Study Program. This study program continues to develop the graduates who are able to compete globally. The stage that must be passed is to follow system standard Outcome Based Education (OBE), a method that focuses on what students should have or should do in achieving graduation. In the OBE method, learning outcomes are carried out by an identification process and continued with an assessment process and learning methods that are adapted to these outcomes, it is one of the orientations of Merdeka Belajar Kampus Merdeka (MBKM). The main issues are the study program still does not have a handbook module that is in accordance with the OBE curriculum. The aim of this research is developing a module handbook that is adapted to the OBE curriculum and validated. This type of this study is a development research using Research and Development (RnD) with a 4-D Models. This procedure are define, design, develop, and disseminate. The define stage is the stage regarding the characteristics of learning activities. Design stage are media and formats used in module development. Develop stage purpose The goal of the development stage is to produce a final draft, and the disseminate distribution of module development. The result of this study are learning activities of program study the learning objectives of the program are formulated into Program Learning Outcomes (PLO) and each handbook module has defined it. The design results is module handbook content according to OBE curriculum. The develop result has been validated by 2 validators with percentage 89%, 88 % students readability validation and 83.32% lecturers readability validation . The readability test was carried out on 19 students and 7 peer lecturers to see if the handbook module was appropriate. From these criteria, the module handbook appropriate to be distributed. In order to support teaching during the COVID-19 pandemic, the distribution of the handbook module through the upload process to the website of the mechanical engineering department.

Indexing

Keywords

Language

module handbook; outcome based education; Research and Development (RnD); 4-D models; 4-likert scale

en

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#711 Paper Review

SUMMARYREVIEW

Submission

Authors

Novi Sukma Drastiawati, Priyo Heru Adiwibowo, Indra Herlamba Siregar, Iskandar Iskandar

Title

Developing Module Handbook in Outcome Based Education (OBE) Curriculum for Undergraduate Mechanical Engineering

Track

Transformation in/for the New Curriculum

Director

Irena Maureen

Peer Review

Review Version

[711-933-1-RV.DOCX](#) 2021-07-10

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2021-08-19

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2021-09-05

Uploaded file

Reviewer A [711-1534-1-RV.DOCX](#) 2021-09-05

Director Version

None

Author Version

[711-1842-1-DR.DOCX](#) 2021-09-29

Director Decision

Decision

Revisions Required 2021-09-06

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