THE MANAGEMENT OF LABORATORY-BASED BIOLOGY LEARNING
(A Site Study at SMP Negeri 2 Magelang)

THESIS
Submitted to
Educational Management Master Program
Muhammadiyah University Surakarta To Fulfill One Of Terms To Obtain
The Degree Of Master Education

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POSTGRADUATE PROGRAM
MUHAMMADIYAH UNIVERSITY SURAKARTA
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Certify that the thesis which I submit is really a result of my own work, except the quotations and summaries that everything I have explained the source.

I write this statement without any force from others.

Surakarta, April 2011
The statement maker,

Lartono
MOTTO

- Regret the past because there are disappointment and mistakes, but make it as a weapon for the future to avoid mistakes again.
- Be patient in overcoming difficulties and act wisely in the deal is something major.
- Excessively cautious as bad as not, because it makes others doubt it.
- The sacred heart is always right, but the turmoil heart always change the sacred heart's desire. People who exist in a sacred heart is a god-fearing and faithful. That is life's challenge.
DEDICATION

For My wife and my children that always support me
PREFACE

Praise is always the writer say for Allah. Because of His mercy and guidance this thesis can be finished at the time. This thesis is arranged as one academic responsibility in relation to the Master Education Management Program on Postgraduate Program of Muhammadiyah University Surakarta (UMS). In this occasion, the writer wants to thank for some people that always help.

1. Prof. Dr. Bambang Setiadji, the Rector of UMS who has given a variety of facilities in completing studies at Muhammadiyah University Surakarta
2. Prof. Dr. Khudzaifah Dimyati, M. Hum., The Director of Postgraduate Program at Muhammadiyah University Surakarta who has given opportunity to the writer.
3. Prof. Dr. Harsono, MS, the Head of Education Management Program, that has given permission in this research.
4. Prof. Dr. Sutama, M.Pd., the advisor that give guidance and suggestion to the writer in processing this thesis.
5. The Principal of SMP Negeri 2 Magelang that has given permission and support in this research.
6. Science teachers of SMP Negeri 2 Magelang that has given support in this research.
7. All parties that can not be mentioned one by one that has given support and guidance in this research.

With finishing this thesis, the writer knows that this thesis is not complete. So, all positive criticism and suggestion is expected.

Surakarta,

Writer
ABSTRACT


The objective of this research is to describe the readiness and interior design characteristic in the laboratory-based Science learning, teaching material in the laboratory-based biology learning, students’ interaction in the laboratory based biology learning in SMP Negeri 2 Magelang.

Type of this research is a qualitative research with ethnography approach. This research is limited on the management of laboratory-based Biology learning at SMP Negeri 2 Magelang. The main data is from the informant such as the principal, the vice principal, teacher, other education officer, and formal documents. Data collection methods are observation, in-depth interview, and documentation. Data analysis in this research use reduction data, display data, and conclusion drawing/verification data. Data validity used in this research is using triangulation data technique.

The results of this research are: (1) the readiness characteristic of SMP Negeri 2 Magelang in the laboratory-base biology learning is in the new school year in 2010/2011 design the laboratory interior, painting the laboratory room, repairing laboratory water furniture, and setting the equipment and material of the laboratory; and preparing work program and administration of the Science laboratory among other laboratory organization structure, laboratory organization tasks, vision and mission of Science laboratory, inventory of laboratory equipments and materials (2) teaching material in the laboratory-based biology learning with the competence standard: (a) understanding the diversity of the creature; (b) understanding the interdependence of ecosystem; (c) understanding the various system in the human life; (d) understanding the system in the plant life; and (e) understanding the survival of the creature. The material given in SMP Negeri 2 Magelang related to the laboratory-based biology learning focused in the creature, this is due to the availability of equipment which is considered closest to students. (3) students’ characteristic in the activity of laboratory-based biology learning at SMP Negeri 2 Magelang is observing, measuring and identifying object of life symptom as well as classifying the creature, discussing, concluding and preparing the practicum activity report. Students also discuss with their group related to preparing practicum activity plan that will be done with teacher, so the practicum activity can run well. The students hold discussion in the end of practicum activity to strengthen students’ understanding of the concept learned, interpret and analyze data and make the conclusion.

Keywords: management, biology learning, laboratory
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