

Disertasi

**PENGEMBANGAN MODEL PEMBELAJARAN
BERBASIS MASALAH**

**Suatu Riset Pengembangan untuk Mata Kuliah Rekayasa
Perangkat Lunak
di Universitas YARSI dan TRISAKTI Jakarta**



Sularso Budilaksono
No. Registrasi : 7117040331

**Disertasi yang Ditulis untuk Memenuhi Sebagian Persyaratan
Untuk Mendapatkan Gelar Doktor**

**PROGRAM PASCASARJANA
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RINGKASAN DISERTASI

PENGEMBANGAN MODEL PEMBELAJARAN BERBASIS MASALAH

Suatu Riset Pengembangan untuk Mata Kuliah
Rekayasa Perangkat Lunak di Universitas YARSI dan TRISAKTI Jakarta

DEVELOPING PROBLEM-BASED LEARNING MODEL, A RESEARCH AND DEVELOPMENT FOR SOFTWARE ENGINEERING COURSE AT YARSI AND TRISAKTI UNIVERSITY

Sularso Budilaksono

Abstract

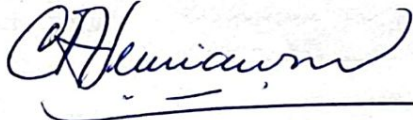
The objective of this research is to develop a Problem-Based Learning model for Software Engineering course. This learning model should encourage students to integrate all information resources from different modules. Such integrated content knowledge and skill should be applied by solving software engineering problems. The responsibilities of a Software Engineer have grown to provide services that optimize the benefits of developing and using software in industries. The knowledge based and skill sets of a Software Engineer must expand every time to address institutional needs.

This research consists of 3 stages, i.e. (1) preliminary field-testing, (2) main field-testing and (3) operational field-testing. Subjects of the research were the computer experts and practitioners in preliminary field-testing cycle, the informatics' students at Yarsi University for implementation of the first revised model in main field-testing and the informatics' students at Trisakti University for implementation of the second revised model in operational field-testing. The data were analysed using the analytic-descriptive method and interpreted a narrative way as research findings

Based on the data of process and product competencies taken from main field-testing, 10,53% of the students were competent in self-directed learning skills, 42,11% of the students were competent in team working skills and 28,95% of the students were competent in problem solving skills. Based on the data of process and product competencies taken from operational field-testing, 73.58% of the students were competent in self-directed learning skills, 66.04% of the students were competent in team working skills and 62.26% of the students were competent in problem solving skills and 79% of students were active attending and joining discussions in each group based peer assessments.

LEMBAR PERSETUJUAN KOMISI PROMOTOR
DIPERSYARATKAN UNTUK UJIAN TERBUKA

Promotor



Prof. Dr. Conny R Semiawan

Tanggal : 16/4 '08

Co Promotor



Prof. Dr. A. Suhaenah. Suparno

Tanggal : 21-04-2008

Persetujuan Panitia Ujian Doktor

Nama

Tanda Tangan

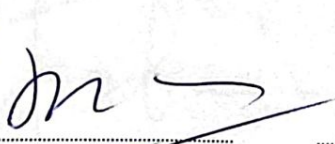
Tanggal

Dr. Bedjo Sujanto, MPd.
Ketua¹



21/5 '08

Prof. Dr. I Made Putrawan
Sekretaris²



16/5 '08

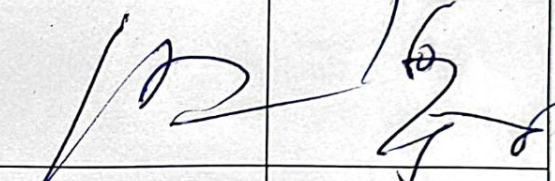
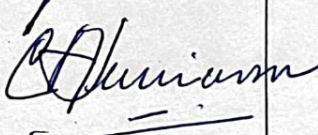


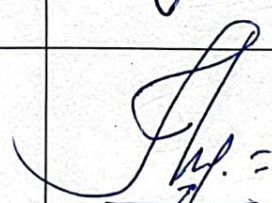

Nama : Sularso Budilaksono
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Tanggal Lulus : 30 Januari 2008

¹ Rektor Universitas Negeri Jakarta

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1.	Direktur Prof. Dr. I Made Putrawan		16/4-08
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4.	Ketua Program Studi Prof. Dr. Diana Nomida Musnir		16/4-08
5.	Penguji Prof. Dr. H. R. Santosa Murwani		11/2-08
6.	Penguji Luar Prof. Dr. Hadari Nawawi		11/2-08



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DEPARTEMEN PENDIDIKAN NASIONAL UNIVERSITAS NEGERI JAKARTA PROGRAM PASCASARJANA

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LEMBAR PERNYATAAN

Saya menyatakan dengan sesungguhnya bahwa Disertasi yang saya susun untuk memperoleh gelar Doktor dari Program Pascasarjana Universitas Negeri Jakarta, seluruhnya merupakan hasil karya saya sendiri.

Adapun bagian-bagian tertentu dalam penulisan Disertasi yang saya kutip dari hasil karya orang lain telah dituliskan sumbernya secara jelas sesuai dengan norma, kaidah dan etika penulisan ilmiah.

Apabila di kemudian hari ditemukan seluruh atau sebagian Disertasi ini bukan hasil karya saya sendiri atau adanya plagiat dalam bagian-bagian tertentu, saya bersedia menerima sanksi pencabutan gelar akademik yang saya sandang dan sanksi-sanksi lainnya sesuai dengan peraturan perundangan yang berlaku.

Jakarta, November 2007

Nama Mahasiswa



Sularso Budilaksono

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