



menyatakan bahwa

Surya Ramadhan

lahir pada tanggal 19 April 1989 di Gerung

diterima pada Semester 1 Tahun Akademik 2015/2016

dengan Nomor Induk Mahasiswa 23215093

telah menyelesaikan studi dan memenuhi segala syarat pendidikan Magister

pada Program Studi

Teknik Elektro

pada tanggal 4 Juli 2017

Oleh sebab itu, kepadanya diberikan gelar

Magister Teknik (M.T.)

beserta segala hak dan kewajiban yang melekat pada gelar tersebut.

Diberikan di Bandung, tanggal 21 Juli 2017



Dekan
Sekolah Teknik Elektro dan Informatika,

Dr. Ir. Jaka Sembiring, M.Eng
NIP 196602281991021001



Rektor,

Prof. Dr. Ir. Kadarsah Suryadi, DEA
NIP 196202221987031002

Ijazah ini diberikan berdasarkan Surat Keputusan Rektor Nomor : 158/SK/11.A/PP.3.5.1/2017

AB027320 ✓

No.: 232030/I1.A/PP/VII/IJZ/2/2017 ✓

Institut Teknologi Bandung

herewith certifies that

Surya Ramadhan ✓

born in *Gerung* on *April 19, 1989* ✓

admitted in the First Semester of Academic Year *2015/2016* ✓

with Student Registration Number *23215093* ✓

has successfully fulfilled all the requirements of the Master Program in

Electrical Engineering ✓

on *July 4, 2017* ✓

and therefore has been granted the degree of

Master of Science

with all the rights and responsibilities belonging to that degree.

Awarded in Bandung on *July 21, 2017* ✓

Dean of
School of Electrical Engineering and
Informatics

Rector

Signed

Dr. Ir. Jaka Sembiring, M.Eng ✓
NIP 196602281991021001 ✓

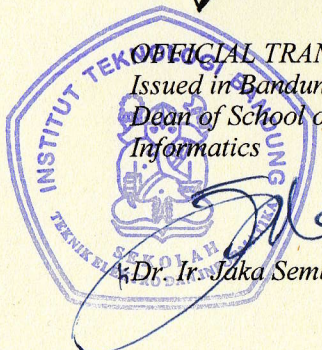
Signed

Prof. Dr. Ir. Kadarsah Suryadi, DEA ✓
NIP 196202221987031002 ✓

This certificate is issued based on the Decree of the Rector No.: *158/SK/I1.A/PP.3.5.1/2017* ✓



[Signature]



OFFICIAL TRANSLATION
Issued in Bandung on July 21, 2017
Dean of School of Electrical Engineering and
Informatics

Dr. Ir. Jaka Sembiring, M.Eng



INSTITUT TEKNOLOGI BANDUNG

SEKOLAH TEKNIK ELEKTRO DAN INFORMATIKA

Jalan Ganesha 10 Bandung 40132 Telp. (022) 2502260, (022) 4254028 Fax. (022) 2534222

ACADEMIC TRANSCRIPT

No: 232030/I1.C07/PP/VII/TRS/2017

Name : Surya Ramadhan
Student ID Number : 23215093
Place, Date of Birth : Gerung, April 19, 1989
Admission Year : 2015/2016 on Semester 1
Faculty/School : School of Electrical Engineering and Informatics
Study Program : Master Program in Electrical Engineering – Option Microelectronics Engineering
Degree : Master of Science



Code	Course	Units	Grade
EL5210-13	Analog and Mixed Signal IC Design	3	BC
EL6106-13	Embedded System Design Method	4	AB
EL5000-13	Advanced Mathematics	3	B
EL5104-13	Nanoelectronics	3	AB
EL5209-13	Radio Frequency Integrated Circuit	3	AB
EL6110-13	Electronic Industry and Manufacture	3	AB
EL5090-13	Research Method	3	A
EL5105-13	VLSI for Digital Signal Processing	3	A
EL5106-13	Smart/Advanced Instrumentation	2	AB
EL5208-13	Advanced IC Technology	2	AB
EL5241-13	Network and Information Security	2	A
EL6099-13	Thesis	6	AB
EL6109-13	System-on-Chip	3	A


Note: A (4): Exceptional, AB (3.5): Excellent, B (3): Good, BC (2.5): Satisfactory, C (2): Sufficient

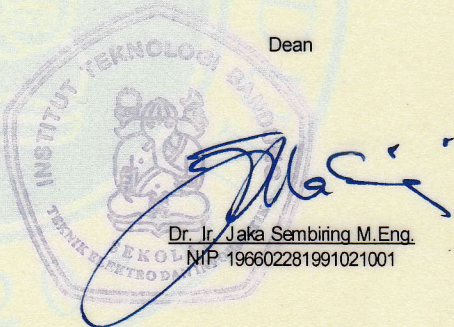
Units : 40
Grade Point Average : 3.52
Completion Date : July 04, 2017
Judicium : Highly Satisfactory
Thesis Title : Development FPGA-Based Fault Detections Instrumentation For Microgrid Application

Published in : Bandung
Date : July 21, 2017

Head of the Electrical Engineering Master Program

Dean


Dr. Ir. Bambang Anggoro Soedjarno P., MT.
NIP 195502151980031001


Dr. Ir. Jaka Sembiring M.Eng.
NIP 196602281991021001