

Review

Georg-August-Universität Göttingen

Georg-August University School of Science (GAUSS)

Certificate on the degree Doctor of Natural Sciences (Dr. rer. nat./ PhD)

Faculty of Biology and Psychology

Ms

Deejay Sabelle Maranguit

born on 29.11.1988 in Baybay, Leyte, Philippines

has passed the Doctor's examination in the GAUSS-Programme

"Biological Diversity and Ecology"

pursuant to the examination regulations of 19 June 2012

with the overall grade

magna cum laude

on 13.10.2017.

Modules in the PhD-programme:

	Credits (ECTS)
1. Scientific project management	6
2. Scientific qualification in theory and practice	6
3. Scientific teaching	3
4. Scientific presentation and communication	12
5. Key competencies	15

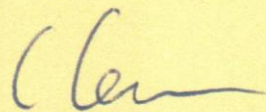
Title of the dissertation:

"Land-use control on abiotic and biotic mechanisms of P mobilization"

Grade of the dissertation: magna cum laude

Grade of the disputation: cum laude

Göttingen, 29.11.2017



Chair of the Examination Board

This document is an official translation of the "Zeugnis", issued on 29.11.2017



CERTIFIED PHOTOCOPY OF THE ORIGINAL

TERESITA L. QUIRANOLA

The Georg-August-Universität Göttingen

awards

Ms

Deejay Sabille Maranguit

born on 29.11.1988 in Baybay, Leyte, Philippines

the degree Doctor of Philosophy (Ph.D.)
Division of Mathematics and Natural Sciences

under the President

Professor Dr. rer. physiol. Dr. h.c. Ulrike Beisiegel

through the Georg-August University School of Science (GAUSS)

under the Dean

Professor Dr. Thomas Waitz.

She proved her scientific qualifications according to the regulations of the doctoral
programme "Biological Diversity and Ecology"

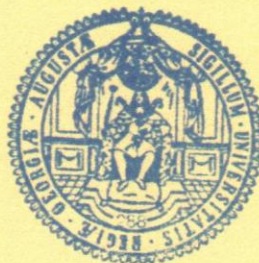
by completing her doctoral thesis (Dissertation)

"Land-use control on abiotic and biotic mechanisms of P mobilization"

and thesis defence (Disputation),

dated 25.09.2017.

Göttingen, 13.10.2017



Thomas Waitz

Dean of GAUSS

This document is an official translation of the German doctor's diploma, issued on 13.10.2017



CERTIFIED PHOTOCOPY OF THE ORIGINAL

Teresita L. Guinano
TERESITA L. GUINANO
SERVICING ADMINISTRATOR

Visayas State University

MAIN CAMPUS

Alabuhay!
Greetings!

Ipinabatid sa lahat na ang *Supon ng mga Rehente at sa rekomendasyon ng*
Be it known to all that the Board of Regents and upon the recommendation of
akademikong Honscho ng Unibersidad ay nagpaand kay
the University Academic Council has conferred upon

Beeray S. Maranguit
ng titulong
the degree of

Master of Science

kataki ang mga karapatan at pribilehiyong kaugnay nito.
with all the rights and privileges appertaining thereto.

Bilang pagpapatalim, nakatatat dito ang sagisag ng Unibersidad
In testimony whereof, the seal of the University

at ang mga lagda ng Pangulo at ng Katihin ng Unibersidad.
and the signatures of the President and the Secretary of the University are affixed hereunto

Shinagkudo sa VSU, Visca, Lungod ng Baybay, Leyte, Pilipinas ngayong itatubing-isa
Given at VSU, Visca, City of Baybay, Leyte, Philippines this 11th day
ng Abril sa taon ng ating Pangunoon, Palawang Tulo at Gabindalawa.
of April in the year of our Lord, Two Thousand and Twelve.

VISAYAS STATE UNIVERSITY

VSUA, BAYBAY CITY, LEYTE

OFFICE OF THE UNIVERSITY REGISTRAR
CERTIFIED TRUE COPY OF THE ORIGINAL


DANIEL M. TUDTUD, JR.
Secretary of the University


ELIEZER L. NELASCO
UNIVERSITY REGISTRAR


JOSE L. BACUSMO
President of the VSU System





VISAYAS STATE UNIVERSITY

(Formerly Visayas State College of Agriculture and Leyte State University)

Main Campus

Visca, Baybay City, Leyte 6521-A

Philippines

website : www.vsu.edu.ph

email : op@vsu.edu.ph

registrar@vsu.edu.ph

Tele Fax: (053) 563-7067

(053) 563-7428

OFFICIAL TRANSCRIPT OF RECORDS

PERSONAL DATA

Student Name : Maranguit, Deejay Sabile
Student Number : 05-1-00474
Date of Birth : November 29, 1988
Place of Birth : Baybay, Leyte
Sex : Female
Religion : Roman Catholic
Citizenship : Filipino
Parent/Spouse : Mr. & Mrs. Ricardo Maranguit
Address : Guadalupe, Baybay City, Leyte
Tel. No./Cell. No. :
Guardian :
Address/Cell. No. :



PRELIMINARY EDUCATION

Elementary	: Guadalupe Elementary School Baybay, Leyte	Year	: 2001
High School	: LSU Laboratory High School Baybay, Leyte	Year	: 2005
Tertiary	: Visayas State University Visca, Baybay City, Leyte	Year	: 2009
Entrance	T.O.R		
Credential	: Visayas State University Visca, Baybay City, Leyte		

GRADING SYSTEM

RATING	EQUIVALENT	INDICATION
1.00	97-100	Excellent
1.25	94-96	Highly Outstanding
1.50	91-93	Outstanding
1.75	88-90	Very Good
2.00	85-87	Good
2.25	82-84	Very Satisfactory
2.50	79-81	Satisfactory
2.75	76-78	Fair
3.00	75	Passing
5.00	BELOW 75	Failure

S - Satisfactory

U - Unsatisfactory

Au - Audit (No credit)

Inc - Incomplete

Drp - Dropped

One collegiate unit of credit is one hour lecture or recitation each week or a total of 18 hours in a semester. Three hours of laboratory work, drafting, or a shop work each week or a total of 54 hours a semester are regarded as equivalent also to one unit of credit.

The semestral average of a student is computed by multiplying the number of units assigned to a course by the grade earned and the product divided by the total units earned for the semester.

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Page 1 of 2 pages

ELIEZER L. VELASCO
University Registrar



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(053) 563-7428

OFFICIAL TRANSCRIPT OF RECORDS

VISAYAS STATE UNIVERSITY (VSU), Visca, Baybay City, Leyte

05-1-00474 : Maranguit, DeeJay Sabile

Master of Science (MS)

VISAYAS STATE UNIVERSITY, Visca, Baybay City, Leyte

Graduated on April 3, 2009 with the degree of Bachelor of Science in Agriculture (BSA) major in Soil Science as per VSU Board of Regents Resolution No. 2, s.2009 dated February 3, 2009.

Course No.	Descriptive Title	Grade	Credit
First Semester, SY 2010-2011			
SOIL216	ADVANCED SOIL PHYSICS	1.75	3.0
SOIL217	LAND RESOURCE EVALUATION	2.00	3.0
TREC205	BIO-DIVERSITY OF TROPICAL ECOSYSTEMS	2.00	3.0
TREC207	TROPICAL GEOMORPHOLOGY AND GEO-ECOLOGY	1.25	3.0
Second Semester, SY 2010-2011			
FORY224	ENVIRONMENTAL IMPACT ASSESSMENT	1.50	3.0
SOIL212	GENESIS MORPHOLOGY & CLASSIFICATION OF SOILS	1.25	3.0
SOIL213	ADVANCED SOIL MICROBIOLOGY	1.75	3.0
TREC206	SOCIO-ECOLOGICAL SYSTEMS	1.50	3.0
Summer 2011			
SOIL300	MASTER'S THESIS	S	In Progress
First Semester, SY 2011-2012			
SOIL 211	ADVANCED SOIL FERTILITY	1.75	3.0
SOIL215	ADVANCED SOIL CHEMISTRY	1.75	3.0
SOIL299	GRADUATE SEMINAR	1.50	1.0
SOIL300	MASTER'S THESIS	S	In Progress
Second Semester, SY 2011-2012			
SOIL300.3	MASTER'S THESIS	1.00	6.0

THESIS:

CHARACTERISTICS AND ORIGIN OF SOILS ALONG THE CENTRAL MOUNTAIN RANGE IN LEYTE

Graduated on April 11, 2012 with the degree of Master of Science (MS) major in Soil Science as per VSU Board of Regents Resolution No. 2, S. 2012 dated March 15, 2012.

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Doc. Stamp Paid P15.00

REMARKS : FOR EMPLOYMENT

DATE ISSUED : August 17, 2016

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Page 2 of 2 pages

ELIEZER L. VELASCO
University Registrar



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website: www.lsu-visca.edu.ph

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OFFICIAL TRANSCRIPT OF RECORDS

PERSONAL DATA

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Date of Birth : November 29, 1988
Place of Birth : Baybay, Leyte
Sex : Female
Religion : Roman Catholic
Citizenship : Filipino
ACR No. :
Parent/Spouse : Mr. & Mrs. Ricardo A. Maranguit
Address : Zone 4, Guadalupe, Baybay, Leyte
Tel. No : 09263336661
Guardian :
Address :
Tel. No. :



PRELIMINARY EDUCATION

Elementary : Guadalupe Elementary School Year: 2001
Guadalupe, Baybay, Leyte
High School : LSU Laboratory High School Year: 2005
Visca, Baybay, Leyte

Entrance Credential : Form 138: LSU Laboratory High School
Visca, Baybay, Leyte

GRADING SYSTEM

<u>RATING</u>	<u>EQUIVALENT</u>	<u>INDICATION</u>
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1.50	91-93	Outstanding
1.75	88-90	Very Good
2.00	85-87	Good
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2.75	76-78	Fair
3.00	75	Passing
5.00	Below 75	Failure
S	- Satisfactory	Inc - Incomplete
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The semestral average grade of a student is computed by multiplying the number of units assigned to a course by the grade earned and the product divided by the total units earned for the semester.



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Reg. Tel. No.: +63 53 335 2644; +63 53 563 7428

OFFICIAL TRANSCRIPT OF RECORDS

Name : Maranguit, Deejay Sabile

Student No.: 05-1-00474

Course : Bachelor of Science in Agriculture (BSA)

VISAYAS STATE UNIVERSITY (VSU), Visca, Baybay City, Leyte

Course No	Descriptive Title	Grade	Credits
First Semester, SY 2005-2006			
BIOL 11	GENERAL BIOLOGY	1.75	4.0
CHEM 11	GENERAL CHEMISTRY I	1.25	4.0
ENGL 11	COMMUNICATION SKILLS I	1.00	3.0
MATH 11	COLLEGE ALGEBRA	1.50	3.0
PSYC 11	GENERAL PSYCHOLOGY	1.25	3.0
SSci 13	SOCIO-ECONOMIC SYSTEMS	1.50	3.0
NSTP 11	NATIONAL SERVICE TRAINING PROGRAM	1.50	3.0
PHYED11	PHYSICAL FITNESS AND GYMNASTICS	1.25	2.0
Second Semester, SY 2005-2006			
BOT 21	GENERAL BOTANY	1.75	3.0
CHEM 21	GENERAL CHEMISTRY II	1.75	3.0
ENGL 12	COMMUNICATION SKILLS II	1.50	3.0
MATH 12	PLANE TRIGONOMETRY	2.50	3.0
SCSC 11	GENERAL SOCIOLOGY	1.50	3.0
SCSC 14	PHIL.SOC.PROBS., LAND REFORM & TAXN	2.00	3.0
ZOOL 21	GENERAL ZOOLOGY	1.50	3.0
NSTP 12c	CIVIC WELFARE TRAINING SERVICE (CWTS)	1.50	3.0
PHYED12	RECREATIONAL GAMES&RHYTMIC ACT&DANCE	1.25	2.0
First Semester, SY 2006-2007			
AGRO 21	FUNDAMENTALS OF CROP PRODUCTION	2.00	3.0
AS 21	PRINCIPLES OF ANIMAL SCIENCE	1.75	3.0
BIOL 22	PRINCIPLES OF GENETICS	1.50	3.0
HUM 11	INTRODUCTION TO HUMANITIES	1.25	3.0
PHYS 11	GENERAL PHYSICS	Inc. 3.00	4.0
PPRT 21	PRINCIPLES OF PLANT PROTECTION	Inc. 2.00	3.0
SSCI 15	PHIL. HISTORY & CONSTITUTION	1.75	3.0
PHYED13	TEAM SPORTS	2.25	2.0
Second Semester, SY 2006-2007			
ECON 21	FARM MANAGEMENT	1.50	3.0
HORT 22	GENERAL HORTICULTURE	1.50	3.0
MICR 22	GENERAL MICROBIOLOGY	1.75	3.0
PHILO12	CONTEMPORARY PHILOSOPHICAL THOUGHTS	1.50	3.0
SPCH 11	SPEECH COMMUNICATION	1.50	3.0
SS 22	FUNDAMENTALS OF SOIL SCIENCE	1.50	3.0
STAT 21	ELEMENTARY STATISTICS	2.25	3.0
PHYED14	INDIVIDUAL/DUAL SPORTS	2.00	2.0
First Semester, SY 2007-2008			
CHEM 31n	BIOCHEMISTRY	2.50	3.0
CS 21	INTRODUCTION TO COMPUTERS	1.75	3.0
ECOL 21	FUNDAMENTALS OF ECOLOGY	1.75	3.0
PBRE117	EXPT'L DESIGN & FLD PLOT TECHNIQUES	2.25	3.0
SS 23	SOIL FERTILITY AND FERTILIZERS	1.25	3.0
SS 111	AGRICULTURAL GEOLOGY	1.75	3.0

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Name : Maranguit, Deejay Sabile Student No.: 05-1-00474
Course : Bachelor of Science in Agriculture (BSA)

VISAYAS STATE UNIVERSITY (VSU), Visca, Baybay City, Leyte

Course No	Descriptive Title	Grade	Credits
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First Semester, SY 2007-2008			
SS 198	RESEARCH PLANN. & MANUSCRIPT PREP'N	1.50	3.0
Second Semester, SY 2007-2008			
AS 22	PRIN. OF ANIMAL PRODUCTION	1.75	3.0
ENGL 21	INTRO TO LITERATURE	1.75	3.0
FS 121	FUNDAMENTALS OF FARMING SYSTEMS	1.50	3.0
PPRT 22	PEST CONTROL	2.00	3.0
SOIL112	SOIL SURVEY & CLASSIFICATION	1.75	3.0
SOIL114	SOIL AND WATER CONSERVATION	1.25	3.0
SOIL116	SOIL PHYSICS	2.50	3.0
SOIL200	UNDERGRADUATE THESIS	S	In Progress
First Semester, SY 2008-2009			
AE 30	IRRIGATION, DRAINAGE AND METEOROLOGY	2.50	3.0
AGEX132	PRIN., METHODS & STRATEGIES IN EXTN	1.25	3.0
BOTN113	PRINCIPLES OF PLANT PHYSIOLOGY	2.00	3.0
FIL 11	SINING NG PAKIKIPAGTALASTASAN AT RETO	1.50	3.0
SS 113	SOIL MICROBIOLOGY	1.75	3.0
SS 115	SOIL CHEMISTRY	Inc.	1.50 3.0
SOIL200	UNDERGRADUATE THESIS	S	In Progress
Second Semester, SY 2008-2009			
AE 50	FARM MACHINERY AND EQUIPMENT	3.00	3.0
FIL 12	PANITIKANG FILIPINO	2.25	3.0
SCSC 16	LIFE AND WORKS OF RIZAL	1.25	3.0
SOIL144	SOIL & PLANT DIAGNOSTIC TECHNIQUE	2.75	3.0
SOIL199	UNDERGRADUATE SEMINAR	1.50	1.0
SOIL200	UNDERGRADUATE THESIS	1.50	6.0

Thesis:

"GROWTH PERFORMANCE AND NITROGEN UPTAKE OF PECHAY
(Brassica napus L.) GROWN IN ACID SOIL AMENDED WITH
INORGANIC NPK FERTILIZER COMBINED WITH VARYING
LEVELS OF VERMICAST"

Graduated on April 3, 2009 with the degree of Bachelor of Science in
Agriculture (BSA) major in Soil Science as per VSU Board of Regents
Resolution No. 2, s. 2009 dated February 3, 2009.

Any entry below this line is Null and Void

REMARKS : FOR EMPLOYMENT

DATE ISSUED: APR 03 2009

LINDA N. MARISCAL
University Registrar