Dr.sc.agr. Yuni Sri Rahayu, M. Si.

Position as a:

Lecturer in Plant Physiology, Plant Nutrition, Phytohormone, Biochemistry, Pharmacognosy, Horticulture

ACADEMIC CAREER

Degree	University	Year
Bachelor Program at Department of Biology Education	Universitas Negeri Surabaya (formerly IKIP Surabaya), Indonesia	1985 – 1990
Pre-Master Program at Faculty of Biology	Universitas Gadjah Mada, Indonesia	1991 – 1992
Master Program at Biology Faculty with specialization Plant Physiology	Universitas Gadjah Mada, Indonesia	1992 – 1995
German Language Course	Goethe Institute Jakarta, Indonesia	1st April – 30th September 1997
German Language Course	Goethe Institute Jakarta, Indonesia	1st April – 30th September 1998
PhD program in Plant Nutrition	Institute of Plant Nutrition, Hohenheim University, Stuttgart, Germany	1998 – 2003

EMPLOYMENT

Position	Employee at	Period
Official Government Employee	Universitas Negeri Surabaya, Indonesia	1991 – now
Consultant in Minister of National Education Jakarta	General Directorate of Primary and Secondary Education	2003 – 2009
Associate Professor in Plant Physiology	Universitas Negeri Surabaya, Indonesia	2007 – now
Secretary of Science Education Study Program at Postgraduate Program	Universitas Negeri Surabaya, Indonesia	2009 – 2012

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EMPLOYMENT

Position	Employee at	Period
Vice dean of Academic Affairs at Faculty of Mathematics and Natural Sciences	Universitas Negeri Surabaya, Indonesia	2012 – 2014
Vice Rector of Academic Affairs	Universitas Negeri Surabaya, Indonesia	2014 – 2018

R&D PROJECTS OVER THE LAST 5 YEARS

Project(s)	Amount of financing
▪ **2019:** Interaction of Multisymbiotic Endofite Microorganism and Bioremediator Plant to Reclamation Coal Mining Area. **Unesa's Research Project** **Position:** Project leader	IDR 40.000.000
▪ **2019:** Sinergism of endogen and exogen gibberellin application on Seed Germination and Plant Vegetative Development of Red Chile. **Unesa's Research Project** **Position:** Team member	IDR 10.000.000
▪ **2015-2016:** Development Concepts of Educational Courses Curriculum in Faculty of Mathematics and Natural Sciences Based on IQF and 21st Century Learning. **IDB-Unesa's Research Project** **Position:** Project leader	IDR 280.000.000
▪ **2014:** Development of Bioremediation Model on Oil Contaminated Soil Using Multisymbiotic Microorganism and Plant. **Unesa's Research Project** **Position:** Project leader	IDR 45.000.000
▪ **2014-2015:** Assessment Characterization in Higher Order Thinking Skills and Science Literation on PISA and Indonesia National Examination. **Unesa's Research Project** **Position:** Team member	IDR 135.000.000

Dr.sc.agr. Yuni Sri Rahayu, M. Si.

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PATENTS AND PROPRIETARY RIGHTS OVER THE LAST 5 YEARS

Intellectual Property Rights Title / Theme

1. **BIOCHEMISTRY**
   ISBN: 97860324490829
   Authors: Yuni Sri Rahayu, Evie Ratnasari, Isnawati
   Publisher: Unesa University Press
   Surabaya | 2016
   HaKI EC00201976604
2. **FITOHORMON**
   ISBN: 978-602-449-254-0
   Authors: Yuni Sri Rahayu, Yuliani, Evie Ratnasari, Sari Kusuma Dewi
   Publisher: Unesa University Press
   Surabaya | 2018
   HaKI EC00201976603
3. **HARA TANAMAN DAN ASIMILASINYA**
   ISBN: 978-602-449-384-4
   Author: Yuni Sri Rahayu
   Publisher: Unesa University Press
   Surabaya | 2019
   No & Tgl Surat Pencatatan Ciptaan (HaKI): 000216842, 10 Pebruari 2020
4. **Pengelolaan Tanah Tercemar Minyak Sebagai Media Tanam: Kajian Peran Multisimbiosis Organisme**
   ISBN: 978-602-492-040-1
   Author: Yuni Sri Rahayu
   Publisher: Absolute Media
   Yogyakarta| 2019
   No & Tgl Surat Pencatatan Ciptaan (HaKI): 000226155, 10 Pebruari 2020

IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
Increasing Plant Tolerance Grown on Saline Soil: The Role of Tripartite Symbiosis. Yuni Sri Rahayu, Yuliani, Intan Ayu Pratiwi. Annals of Biology 36 (2): 346-353, 2020	2020
Bioremediation model of oil-contaminated soil in Lapindo mud using multisymbiotic organism. Yuni Sri Rahayu. Management of Environmental Quality: An International Journal. ISSN: 1477-7835. Publication date: 20 February 2020. Vol: 3/No:31, Hal: 586-601	2020
Isolation and Identification of Phosphate Solubilizing Bacteria and Hydrocarbone Degradation Bacteria in Oil Contaminated Soil in Bojonegoro, East Java, Indonesia. Yuni Sri Rahayu, Yulini, G. Trimulyono). Indonesian Journal of Science and Technology (IJoST). Volume 4, Issue 1, April 2019: Page 134-147	2019

Dr.sc.agr. Yuni Sri Rahayu, M. Si.

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IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
High Unemployment Records of Graduated Students in the Development of Urban Agriculture in the Gaza Strip (Husam Al-Najar*, Hadi Khalil, Yuni Sri Rahayu). Indonesian Journal of Science and Technology (IJoST). Volume 4 (2) (2019) 196-203	2019
Identification of gaharu tree (Aqualaria malacensis) and gaharu oil distillation process as the local content included in 21st century curriculum on the subject of high-level botany (Herliani, Muslimin Ibrahim, Yuni Sri Rahayu). IOP Conf. Series: Earth and Environmental Science 243 (2019) 012129. doi:10.1088/1755-1315/243/1/012129	2019
Isolation and Identification of Phosphate Solubilizing Bacteria and Hydrocarbone Degradation Bacteria in Lapindo Mud Sidoarjo East Java Indonesia (Yuni Sri Rahayu, Yulini, G. Trimulyono): Journal of Engineering Science and Technology (JESTEC). Volume 13, Issue 8, Agustus 2018: Page 2271-2643	2018
Two Problem Solving Cycles to Achieve Learning Outcomes of Thinking Skills and Plant Anatomy Concept Mastery (R. P. Puspitawati, L. Yuanita, Y. S. Rahayu, S. Indana , E. Susiyawati). Jurnal Pendidikan IPA Indonesia Two Problem Solving Cycles to Achieve Learning Outcomes of Thinking Skills and Plant Anatomy Concept Mastery (R. P. Puspitawati, L. Yuanita, Y. S. Rahayu, S. Indana , E. Susiyawati). Jurnal Pendidikan IPA Indonesia	2018
Implementation of science process skills using ICT-based approach to facilitate student life skills (Yuni Sri Rahayu, Yuliani, Bagus R Wijaya). IOP Conf. Series: Materials Science and Engineering 296 (2018) 012035 doi:10.1088/1757-899X/296/1/012035	2018
Development of biology student worksheets to facilitate science process skills of student (Yuni Sri Rahayu, Rinie Pratiwi Puspitawati, Sifak Indana). IOP Conf. Series: Materials Science and Engineering 296 (2018) 012044 doi:10.1088/1757-899X/296/1/012044	2018
The Role of Teak Leaves (Tectona grandis), Rhizobium, and VesicularArbuscular Mycorrhizae on Improving Soil Structure and Soil Nutrition (Yuliani dan Yuni Sri Rahayu). IOP Publishing IOP Conf. Series: Materials Science and Engineering 288 (2018) 012158 doi:10.1088/1757-899X/288/1/012158	2018
Physiological Demands of Playing Field Hockey Game at Sub Elite Players (n W Kusnanik, Yuni Sri Rahayu, B Rattray). IOP Publishing IOP Conf. Series: Materials Science and Engineering 288 (2018) 012112 doi:10.1088/1757-899X/288/1/012112	2018
Isolation and Characterization of Potassium Solubilizing Bacteria from Paddy Rhizosphere (R. Fatharani and Yuni Sri Rahayu). IOP Conf. Series: Journal of Physics: Conf. Series 1108 (2018) 012105 doi :10.1088/1742-6596/1108/1/012105	2018
Isolation and Characterization of Silicate Solubilizing Bacteria from Paddy Rhizosphere (A. Sulizah, Yuni Sri Rahayu, Sari Kusuma Dewi). IOP Conf. Series: Journal of Physics: Conf. Series 1108 (2018) 012046 doi :10.1088/1742-6596/1108/1/012046	2018

Dr.sc.agr. Yuni Sri Rahayu, M. Si.

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IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
Role of Nitrogene and phosphate dinamics to increase plant survival grown on oil contaminated soil (Yuni Sri Rahayu, Yuliani, Guntur Trimulyono, Evie Ratnasari, Sari Kusuma Dewi). IOP Conf. Series: Materials Science and Engineering 434 (2018) 012122 doi:10.1088/1757-899X/434/1/012122	2018
The development of BOT API Social Media Telegramabout Plant Hormone using Black Box Testing (Yuni Sri Rahayu, S C Wibawa, Yuliani, Evie Ratnasari, Sari Kusuma Dewi). IOP Conf. Series: Materials Science and Engineering 434 (2018) 012132 doi:10.1088/1757-899X/434/1/012132	2018
Plant Leaf Recognition Using Competitive Based Learning Algorithm (E. M. Imah, Yuni Sri Rahayu, A. Wintarti). IOP Conf. Series: Materials Science and Engineering 288 (2018) 012058 doi:10.1088/1757-899X/288/1/012058	2018
Pemberian Seresah Daun Jati Dalam Meningkatkan Kadar Hara dan Sifat Fisika Tanah Pada Tanah Kapur (Yuliani, Yuni Sri Rahayu). Seminar Nasional Biologi 2016	2016

ACTIVITY IN SPECIALIST BODIES

Organization Role	Position
PGPR (Plant Growth P Rhizobia) - Asia Association	Member