**Eka Novita Sari**

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**Job qualifications:**

* Knowledge and experience in marker assisted selection:
* Marker development
* DNA sequence alignment
* Genotyping (PCR-based (Indel and CAPS) markers)
* Background selection using competitive allele specific polymorphism (KASP) assay.
* Experimental design
* Carotenoid extraction and HPLC analysis, acid titration, and brix measurements
* Soilless tomato greenhouse production management
* Conducting panel trainings for a sensory evaluation
* Proficiency with R software for statistical analysis, including analysis of variance, mean separation, variance partitioning, correlation analysis, and marker-trait analysis.

**Education**

**Masters of Science**

The Ohio State University, Columbus, OH August 2014-August 2016

Major: Horticulture and Crop Science,

Plant Breeding and Genetics emphasis

**Bachelor of Agriculture**

Bogor Agriculture University, West Java, Indonesia August2005-May 2011

Major: Agronomy and Horticulture

Minor: Agriculture Economy

**Professional Experience**

* *Graduate Teaching Associate* January 2015-May 2015

The Ohio State University*, Wooster, OH*

Horticulture and Crop Science, Botany Structure and Function

* *Graduate Teaching Associate* August 2015-December 2015

The Ohio State University*, Wooster, OH*

Horticulture and Crop Science, Weed Science

* Presented laboratory materials for Principles of Weed Control and Plant Structure/Function courses to undergraduate students.
* Introduced different weed species to undergraduate students and helped them understand key features of identifying species.
* Maintained a strong team environment with the main instructors to develop and modify the course materials.
* Prepared the lab materials and ran the lab sessions with minimal supervision.
* *Intern, East*-West Seed September 2013-March 2014

*West Java, Indonesia*

* Assisted the breeder with selections for TYLCV-resistant lines. The responsibilities included seed sowing, transplanting, inoculation, tissue collection for genotyping, and disease rating on tomato lines with different *Ty* gene combinations.
* Conducted selections on whitefly resistant lines based on the trichome type. An intern, I was given responsibilities in seed sowing, grafting, transplanting, and phenotyping of several tomato lines. Phenotyping included calculating the number of different types of trichome under a microscope, as well as whitefly damage on the plants.
* Inoculated tomato plants with *Xanthomonas* species and conducted selections on resistant plants.
* Introgressed bacterial spot resistance allele(s) into a cultivated tomato background.
* *Intern*, Bergen’s Greenhouses, Inc. March 2012-August 2012

*Detroit Lakes, MN*

* Assisted the growers in maintaining plant growth to gain optimal ornamental plant production.
* Developed knowledge of commercial scale production processes related to greenhouse ornamental plant production.
* *Intern*, Mandiri Jaya Flora Nursery June 2011 – August 2011

*West Java, Indonesia*

* Assisted in greenhouse and open field production of tropical ornamental plants.

**Oral Presentations**

* 46th Tomato Breeders Roundtable March 2016
* Wooster Area Molecular Biology Association (WAMBA) December 2015
* Horticulture and Crop Science Graduate Research Retreat October 2015

**Awards and Scholastic Achievements**

* + Second Place, Masters of Science Proposal Oral Presentation October 2015

Horticulture and Crop Science Graduate Research Retreat

The Ohio State University