

CURRICULUM VITAE

Name : Aminatun Munawarti
NIP : 131 994 337 (196608081992032003)
NIDN : 0008086605
Place & date of birth : Sleman (Indonesia), 08.08.1966
Marital status : Married
Address : Mrincingan RT 05 / RW 04, Margomulyo, Seyegan, Sleman,
Yogyakarta, 55561, Indonesia
HP : +62 081 2331 3602
Nationality : Indonesian
Field of Interest : Plant Biotechnology

Education :

1. 1985 – 1990 : Faculty of Biology, University of Gadjah Mada (UGM),
Yogyakarta, Indonesia
(mini) Thesis : Pengaruh Zat Pengatur Tumbuh NAA terhadap Pertumbuhan
Turus Cabe (*Piper retrofractum* L.)
(Effect of Plant Growth Regulator of Naphthalene Acetic Acid
(NAA) on the Growth of Stem Cutting of *Piper retrofractum* L.)
Lama studi : 4,5 th
(length of study)
Dana (budget) : Beasiswa SUPERSEMAR & mandiri (orang tua)
2. 1994 – 1997 : Study Program of Biotechnology, Dept. of Inter-Discipline, the
Graduate School of UGM, Yogyakarta, Indonesia
MSi Thesis : Analisis Klon Gena *coat protein (cp)* Soybean Mosaic Virus
(SMV) Isolat Yogyakarta
(Clone Analysis of Coat Protein (*cp*) Gene of Soybean Mosaic
Virus (SMV) Isolate Yogyakarta)
Lama studi : 2,7 th
(length of study)
Dana (budget) : Beasiswa TMPD, RUT I & mandiri
3. 2004 – 2014 : Study Program of Biotechnology, Dept. of Inter-Discipline, the
Graduate School of UGM, Yogyakarta, Indonesia
Dissertation : Kajian Ketahanan Glagah (*Saccharum spontaneum* L.) terhadap
Cekaman Kekeringan
(Study on Drought Stress Tolerance in Glagah (*Saccharum
spontaneum* L.)
Lama studi : 8 th 5 bulan
(length of study)
Dana (budget) : Beasiswa BPPS DIKTI selama 3 tahun (Directorate General of
Higher Education/DGHE for 3 years), Universitas Brawijaya
(UB), mandiri, dll.

Other Training :

1. 2016 : Seminar Nasional “Pemanfaatan Sumber Daya Genetik Lokal dalam Mendukung Keberhasilan Program Pemuliaan”, Perhimpunan Ilmu Pemuliaan Indonesia (PERIPI) Komda Jateng – DIY, Taman Teknologi Pertanian, Nglanggeran, Yogyakarta, 2 Juni 2016. Pemakalah (Oral Presenter)
2. 2015 : Authors-Reviewers-Editors Gathering, UB Guest House, Universitas Brawijaya, Malang, 22 Desember 2015
3. 2015 : Symposium and Author Gathering, Hotel Horizon Malang, 16 Mei 2015
2. 2015 : Workshop Kurikulum. Jurusan Biologi, FMIPA, Univ. Brawijaya, Malang, 27, 28 dan 30 Januari 2015.
2. 2014 : Workshop Bioinformatika Filogenetis. Hotel Swiss Bellin, Malang, 29 November 2014
3. 2014 : Seminar Nasional Tebu : Inovasi Teknologi Budidaya Tebu Mendukung Swasembada Gula. Balai Penelitian Tanaman Pemanis dan Serat (BALITTAS). Malang, 22 April 2014.
4. 2013 : Training on Molecular Biology: General Lecture and Basic Training on Molecular Biology (cDNA Synthesis and Gene Cloning). Research Center for Biotechnology, Universitas Gadjah Mada and Nara Institute of Science and Technology, Japan. September, 23-25, 2013.
5. 2013 : Seminar Nasional Bioteknologi : “Penguatan Penguasaan Bioteknologi Menuju Kemandirian Bangsa”. Auditorium Sekolah Pascasarjana. UGM, Yogyakarta, Jl. Teknik Utara, Depok, Sleman, DIY, 55281. 11 Mei 2013.
6. 2012 : Biotechnology Seminar / workshop “Adoption, Safety and Development of Regulatory Processes for Ag Biotech Crops”. Auditorium of Agriculture Faculty, Gadjah Mada University, 18 October 2012.
7. 2012 : Seminar Sehari/Kuliah Umum ‘Developing Imidazolinone Tolerance in Canadian *Chickpea* (Kacang Arab) by Courtney Thompson & Benjamin Tar’an. Saskachevan University, Canada’ . Ruang Multimedia, Jurusan Budidaya Pertanian, Fak. Pertanian UGM. 16 Oktober 2012.
8. 2012 : One Day Seminar “Get into Biotech Crops”. Auditorium of Graduate School, Universitas Gadjah Mada, Yogyakarta, October 4th, 2012.
9. 2012 : Seminar Temu Pakar Bioteknologi 2012 “Tanaman Hasil Rekayasa Genetika versus Tantangan Ketahanan Pangan”. 10 Juli 2012. IPB International Convention Center. Bogor. Presenter.
10. 2011 : Seminar Die Hard (Motivation Seminar): Never Give Up, Never Backdown, Patience and Persistence, 3 April 2011. Pacific Hall.

- Yogyakarta.
11. 2011 : Seminar Nasional. The Prospect of Halal Product and Food Safety for Global Market. Minggu, 20 Februari 2011. Fak. Teknologi Pertanian UGM.
 12. 2011 : Pelatihan SPSS : Skala Pengukuran dan Metode Analisis Data Statistik Deskriptif. Konsultan Kresna. 07 Februari 2011.
 13. 2010 : Training Public Relation “How To be a Great Public Relation”. Gd. Ki Hajar Dewantoro UNY. 26 Juli 2010.
 14. 2010 : Seminar ‘Kewirausahaan’. Gedung Auditorium Fak. Peternakan UGM. 03 Juli 2010.
 15. 2010 : Seminar Nasional ‘Menapak Harapan dan Jalan Pengentasan Kemiskinan menuju Indonesia Berkemakmuran’. Gedung Auditorium Fak. Peternakan UGM. 26 Juni 2010.
 16. 2010 : Seminar/Diskusi “Great Thinkers”: Filantropi George Soros & Neokapitalisme. Sekolah Pascasarjana UGM, 24 Maret 2010.
 17. 2010 : Seminar ‘Penodaan Agama’, Lab. Multimedia, Fak. Hukum UGM, Sabtu, 13 Maret 2010.
 18. 2009 : Communicating Science Workshop (by Paul Holford, Centre for Plant & (the Environment) Food Science, Univ. of Western Sydney & the Aust. Centre for Int. Agric. Res.), Lab. of Genetics & Lab. of Agric. Biotechnology, Fac. of Agriculture UGM, 20 – 28 October 2009.
 19. 2009 : Bedah Buku ‘ Menunda Kiamat’ (Penulis : Deden Zaenal Muttaqin) dan ‘Prophetic Learning: Menjadi Cerdas dengan Jalan Kenabian’ (Penulis: Dwi Budiyanto). Himpunan Mahasiswa Muslim Pascasarjana UGM. Audit. Fapet UGM. 5 September 2009.
 20. 2008 : Workshop ‘ Bagaimana Mendampingi Anak Membaca & Memahami Al-Qur’an dengan Mengasyikkan’. PT. Mizan Dian Semesta DIY & Jateng. 30 Agustus 2008.
 21. 2007 : Seminar dan Lokakarya ‘Pemberdayaan dan Sains Petani : Suatu Jalan Alternatif Menuju Pertanian yang Tangguh’. Kerjasama Academy Professorship Indonesia dengan Sekolah Pascasarjana UGM. 25 Mei 2007.
 22. 2005 : Lokakarya Mata Kuliah Kewirausahaan ‘ Upaya Peningkatan Kualitas MK Kewirausahaan untuk Menyemaikan Jiwa Kewirausahaan di Kalangan Mahasiswa. TPSDP Jurusan Biologi FMIPA UNIBRAW Malang. 19 Nopember 2005.
 23. 2005 : Pelatihan Budidaya Anggrek Angkatan XIV. Fakultas Biologi Universitas Gadjah Mada Yogyakarta. 25 – 30 Juli 2005.

Employment Record

1. 1992 – now : Lecturer in ‘Plant Biotechnology, Technology of Plant Engineering, Plant Tissue Culture, Bioentrepreneur, General

Biology, Plant Physiology, Phytohormone, Physiology of Plant Growth Regulator, Medical Herb, Biology of Horticultural Plant, Molecular Genetics, Genetic Engineering and Techniques in Molecular Biology ' in the Faculty of MIPA, UB, Malang, Indonesia

2. 1999 / 2000 : Team leader for ARMPPII Research (*Agricultural Research Management Project II*) with Topic 'Transfer Gena *codA* ke Tanaman Tebu untuk Toleransi terhadap Cekaman Kekeringan'
3. 2000 / 2001 : Team leader for PAATP Research with Research Topic 'Transfer Gena *codA* ke Tanaman Tebu untuk Toleransi terhadap Cekaman Kekeringan'
4. 2002 -2004 : Treasurer of TPSDP Batch I in the Program Study of Biology, Fac. of MIPA, Univ. of Brawijaya, Malang, Indonesia
5. 2002 – 2004 : Vice-Secretary in the Program Study of Biology, Fac. of MIPA, Univ. of Brawijaya, Malang, Indonesia
6. 2004 : Team leader at Tim Peneliti Pengusul (TPP) for Hibah PEKERTI (Penelitian Kerjasama Perguruan Tinggi) Research with Research Topic 'Pembuatan Antibodi Poliklonal terhadap Virus Kuning untuk Mendukung Produksi Bibit Nilam (*Pogostemon cablin*) Bebas Virus'
7. 2004 : Team of Penelitian Hibah Bersaing (PHB) Research with Topic : "Konstruksi Varietas Baru kenaf (*Hibiscus cannabinus* L.) melalui Teknik Induksi Mutasi dengan *Ethyl Methane Sulfonate* (EMS)".
8. 2004 – 2014 : Team leader for Dissertation Research with Topic "Study of Drought Stress on Glagah (*Saccharum spontaneum* L.) Accessions
9. 2015 : Team leader for DPP/SPP Research with Topic " Pengaruh Cekaman Kekeringan pada Perkecambahan dan Kandungan Prolin Kurna (*Phoenic dactylifera* L.)
10. 2016 : Team of DPP/SPP Research with Topic " Kultur Jaringan Ciplukan dan Aklimisasinya'
11. 2015 - 2016 : Team of Penelitian Unggulan Perguruan Tinggi – RISTEK DIKTI with Topic "Peningkatan Kualitas Bibit Poliembrio Porang (*Amorphophallus muelleri* Blume) : Upaya Penyediaan Bibit Unggul".

Research experience

1. Peningkatan Kualitas Bibit Poliembrio Porang (*Amorphophallus muelleri* Blume): Upaya Penyediaan Bibit Unggul. **Penelitian Unggulan Perguruan Tinggi – RISTEK DIKTI**. 2015 - 2016
2. Kultur Jaringan Ciplukan dan aklimatisasinya. **DPP/SPP**. 2016
3. Pengaruh Cekaman Kekeringan pada Perkecambahan dan Kandungan Prolin Kurna (*Phoenic dactylifera* L.). **DPP/SPP**. 2015
4. Kajian Ketahanan Glagah (*Saccharum spontaneum* L.) terhadap Cekaman Kekeringan. Dissertation S3. 2004 – 2014. **BPPS (DIKTI), Universitas Brawijaya (UB), Mandiri, dll.**
5. Pembuatan Antibodi Poliklonal terhadap Virus Kuning untuk Mendukung Produksi Bibit Nilam (*Pogostemon cablin*) Bebas Virus. 2004 – 2005. **Hibah PEKERTI**
6. Konstruksi Varietas Baru kenaf (*Hibiscus cannabinus* L.) melalui Teknik Induksi Mutasi dengan *Ethyl Methane Sulfonate* (EMS). 2004 – 2005. **Penelitian Hibah Bersaing (PHB)**
7. Transfer gena *codA* ke Tanaman tebu untuk Toleransi terhadap Cekaman kekeringan (lanjutan th II). 2000/2001. **PAATP**
8. Transfer gena *codA* ke Tanaman tebu untuk Toleransi terhadap Cekaman kekeringan. 1999/2000. **ARMP-II**
9. Analisis Klon Gena *coat protein (cp)* SMV Isolat Yogyakarta. Thesis S2. 1995 – 1997. **RUT I dan TMPD-DIKTI**
10. Pengaruh Zat Pengatur Tumbuh NAA terhadap Pertumbuhan Turus Cabe (*Piper retrofractum* L.). Skripsi S1. 1989 – 1990. **SUPERSEMAR**

Publications

1. **Munawarti, A.**, Taryono, Semiarti, E., and Sismindari. 2016. Drought stress induced variation in proline content of glagah (*Saccharum spontaneum* L.) accessions. **Prosiding Seminar Nasional** Perhimpunan Ilmu Pemuliaan Indonesia (PERIPI) Komda Jateng-DIY, In Press.
2. **Munawarti, A.**, Taryono, Semiarti, E., and Sismindari. 2016. Drought stress induced variation in proline content of glagah (*Saccharum spontaneum* L.) accessions. Dipresentasikan pada **Seminar Nasional** Perhimpunan Ilmu Pemuliaan Indonesia (PERIPI) Komda Jateng-DIY, Gedung Taman Teknologi Pertanian (TTP), Nglanggeran, Yogyakarta, 2 Juni 2016.
3. **Munawarti, A.**, Taryono, Semiarti, E., and Sismindari. 2014. Morphological and biochemical responses of glagah (*Saccharum spontaneum* L.) accessions to drought stress. **J. Tropic. Life Sci.** 4(1): 61-66.

4. **Munawarti, A.**, Taryono, Semiarti, E., Holford, P., and Sismindari. 2013. Tolerance of accessions of glagah (*Saccharum spontaneum*) to drought stress and their accumulation of proline. **Am. J. Agric. Biol. Sci.** (8): 1 - 11.
5. **Munawarti, A.**, Taryono, Semiarti, E., and Sismindari. 2012. Drought stress responses in glagah (*Saccharum spontaneum* L.) accessions: growth, proline content and protein pattern. **Prosiding Seminar Temu Pakar Bioteknologi 2012 “Tanaman Hasil Rekayasa genetikaversus Tantangan Ketahanan Pangan”**. IPB International Convention Center, Bogor : 360 – 368.
6. **Munawarti, A.**, Taryono, Semiarti, E., and Sismindari. 2012. Drought stress responses in glagah (*Saccharum spontaneum* L.) accessions: growth, proline content and protein pattern. **Dipresentasikan pada Seminar Temu Pakar Bioteknologi 2012 “Tanaman Hasil Rekayasa genetikaversus Tantangan Ketahanan Pangan”**. IPB International Convention Center, Bogor : 360 - 368
7. Arumingtyas, E.L., **Munawarti, A.**, and Indriyani, S. 2010. Polymorphism analysis of kenaf (*Hibiscus cannabinus* L.) mutants based on Random Amplified Polymorphic DNAs (RAPDs). **J. Materials Science and Engineering**, ISSN 1934-8959: 4(2):56-62.
8. **Munawarti, A.**, Mastuti, R., Hartono, S., and Subandiyah, S. 2007. Regenerasi tanaman nilam (*Pogostemon cablin* (Blanco) Benth) secara in vitro. **J. Ilmu-ilmu Hayati (Life Sciences)**.
9. Hartono, S., Subandiyah, S., **Munawarti, A.**, Mastuti, R., and Indriyani, S. 2006. Pemurnian dan Deteksi Serologi *Patchouli Mottle Virus* pada Tanaman Nilam. **J. Perlindungan Tanaman Indonesia**. 12(2): 74 – 82.
10. Mastuti, R., Indriyani, S., Subandiyah, S., Hartono, S., and **Munawarti, A.** 2006. Kultur jaringan nilam (*Pogostemon cablin* Benth). **J. Ilmu-Ilmu Hayati (Life Sciences)** 18(2): 137 – 147.
11. Nurfadilah, S., **Munawarti, A.**, and Arumingtyas, E.L. 2006. The efficiency of genetical transformation of sugarcane (*Saccharum officinarum*) var. Ps862 through *Agrobacterium tumefaciens* EHA101. **Prosiding Seminar Sehari “Konservasi dan Pendayagunaan Keanekaragaman Tumbuhan Daerah Kering II**. UPT Balai Konservasi Tumbuhan Kebun Raya Purwodadi, Lembaga Ilmu Pengetahuan Indonesia (LIPI). pp 451 – 456.
12. Royani, J.I., **Munawarti, A.**, and Sulistyowati, E. 2006. The efficiency of movement protein gene in tobacco protoplast via direct transfer and co-cultivation. **Gakuryoku**. XII (1): 56 -60.
13. Royani, J.I., Sulistyowati, E., and **Munawarti, A.** 2005. Tobacco (*Nicotiana tabaccum*) protoplasts isolation with enzymatic method. **J. Biosains dan Bioteknologi Indonesia (Indonesian J. for Bioscience and Biotechnology)**, 4(1): 24 – 27.
14. Hartono, S., **Munawarti, A.**, Mastuti, R., Indriyani, S., and Subandiyah, S. 2005. The Production of Virus Free Patchouli Seedlings and The Development of Serological Virus Detection Tool. **Presented on The 1st International Conference of Crop Security**. 2005 (ICCS 2005). 20-22 September 2005. Brawijaya University, Malang, East Java, Indonesia.
15. Arumingtyas, E.L., Indriyani, S., and **Munawarti, A.** 2005. Konstruksi Varietas Baru Kenaf (*Hibiscus cannabinus* L.) melalui Teknik Induksi Mutasi dengan

- Ethyl Methane Sulfonate (EMS). **J. Ilmu-Ilmu Hayati (Life Sciences)** 17(1):21-26.
16. Arumingtyas, E.L., Novi, L., and **Munawarti, A.** 2005. DNA Isolation of Kenaf Leaves: Comparison among Some Methods. **Seminar Nasional Basic Science**. Malang, East Java, Indonesia.
 17. Arumingtyas, E.L., Indriyani, S., and **Munawarti, A.** 2004. The effect of EMS to morpho-anatomical variability of kenaf (*Hibiscus cannabinus* L.) variety KR4. **J. Ilmu-ilmu Hayati (Life Sciences)**.17(1): 21 – 26.
 18. **Munawarti, A.**, Mastuti, R., Sugiyarta, E., Widyasari, W.B., and Wahjudi, K.A. 2003. Genetic transformation efficiency on sugarcane (*Saccharum officinarum* L.) calli by using *Agrobacterium tumefaciens*, **J. Ilmu-ilmu Teknik (Engineering)**. 15(2): 132-138.
 19. Mastuti, R., **Munawarti, A.**, Sugiyarta, E., and Widyasari, W.B. 2002. Isolation of sugarcane (*Saccharum officinarum* L.) protoplasts. **J. Ilmu-ilmu Hayati (Life Sciences)**.14: 211-219.
 20. **Munawarti, A.**, Siswindari, Sudjadi, and Soemardiyono, Y.B. 2002. Restriction analysis of recombinant plasmid containing cp gene of SMV. **Natural**. 6(2): 42-45.
 21. Royani, J.I., Sulistyowati, E., and **Munawarti, A.** 2002. Genetic transformation of movement protein gene into tobacco protoplasts. **J. Sains dan Teknologi Indonesia**. 1(2): 107 – 113.
 22. **Munawarti, A.**, Siswindari, and Sudjadi. 2001. Molecular mechanism of T-DNA transfer from *Agrobacterium tumefaciens* into plant cell. **Natural**, 5(2): 25-34.
 23. **Munawarti, A.**, Siswindari, and Sudjadi. .1998. *Agrobacterium*-mediated transformation of tobacco (*Nicotiana tabaccum* L.) with SMV cp gene. **Natural**, 2: 31-38.
 24. **Munawarti, A.**, Siswindari, and Sudjadi. 1997. Subcloning of SMV cp gene on plant expression and plant transformation vectors. **Berkala Penelitian Pascasarjana UGM**.