UNIVERSITAS GADJAH MADA
Respons Fisiologis dan Pertumbuhan Tembakau (Nicotiana tabacum L. â€˜Maniloâ€™) terhadap Pemberian Pupuk Urea dan Cekaman Salinitas
Jovanka, Prof. Dr. Diah Rachmawati, S.Si., M.Si.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Al-Snafi, AE, 2022, 'Pharmacological and toxicological effects of *Nicotiana tabacum'*, *World Journal of Advanced Pharmaceutical and Medical Research*, vol. 3, no. 01, pp. 006-018, DOI: https://doi.org/10.53346/wjapmr.2022.3.1.0034

Ashraf, MY, Khan, AH & Azmi, AR, 1992, 'Cell membrane stability and its relation with some physiological processes in wheat', *Acta Agronomica Hungarica*, vol. 41, pp. 183-183.

Ashraf, M, Shahzad, SM, Imtiaz, M & Rizwan, MS, 2018, 'Salinity effects on nitrogen metabolism in plants–focusing on the activities of nitrogen metabolizing enzymes: A review', *Journal of plant nutrition*, vol. 41, no. 8, pp. 1065-1081, DOI: https://doi.org/10.1080/01904167.2018.1431670

Australian Wine Research Institute, 2010, *Measuring soil salinity, Vineyard Activity Guides (Viti-Notes series),* Australian Wine Research Institute, diakses 1 Juli 2026, (https://www.awri.com.au/wp-content/uploads/v_activity_soil_measure.pdf)

Bareschino, P, Marrasso, E & Roselli, C, 2021, 'Tobacco stalks as a sustainable energy source in civil sector: Assessment of techno-economic and environmental potential', *Renewable Energy*, vol. 175, pp. 373-390, DOI: https://doi.org/10.1016/j.renene.2021.04.101

Bates, LS, Waldren, RPA & Teare, ID, 1973, 'Rapid determination of free proline for water-stress studies', *Plant and Soil*, vol. 39, pp. 205-207, DOI: https://doi.org/10.1007/BF00018060

Berbeć, AK & Matyka, M, 2020, 'Biomass characteristics and energy yields of tobacco (*Nicotiana tabacum* L.) cultivated in eastern Poland', *Agriculture*, vol. 10, no. 11, pp. 551, DOI: https://doi.org/10.3390/agriculture10110551

Bhatla, SC & Lal, MA, 2018, *Plant Physiology, Development and Metabolism*, Springer Nature Singapore, Singapore, DOI: https://doi.org/10.1007/978-981-13-2023-1

Brouwer, R, 1962, 'Distribution of dry matter in the plant', *Netherlands journal of agricultural science*, vol. 10, no. 5, pp. 361-376, DOI: https://doi.org/10.1007/BF00345554

Çelik, Ö & Atak, C, 2012, 'The effect of salt stress on antioxidative enzymes and proline content of two Turkish tobacco varieties', *Turkish Journal of Biology*, vol. 36, no. 3, pp. 339-356, DOI: https://doi.org/10.3906/biy-1108-11

Choi, YE, Harada, E, Kim, GH, Yoon, ES & Sano, H, 2004, 'Distribution of elements on tobacco trichomes and leaves under cadmium and sodium stresses', *Journal of Plant Biology*, vol. 47, no. 2, pp. 75-82, DOI: https://doi.org/10.1007/BF03030635

Daliakopoulos, IN, Tsanis, IK, Koutroulis, A, Kourgialas, NN, Varouchakis, AE, Karatzas, GP & Ritsema, CJ, 2016, 'The threat of soil salinity: A European scale review'. *Science of the total environment*, vol. 573, pp. 727-739. http://dx.doi.org/10.1016/j.scitotenv.2016.08.177

UNIVERSITAS GADJAH MADA
Respons Fisiologis dan Pertumbuhan Tembakau (Nicotiana tabacum L. â€˜Maniloâ€™) terhadap Pemberian Pupuk Urea dan Cekaman Salinitas
Jovanka, Prof. Dr. Diah Rachmawati, S.Si., M.Si.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Davies, WJ, Kudoyarova, G & Hartung, W, 2005, 'Long-distance ABA signaling and its relation to other signaling pathways in the detection of soil drying and the mediation of the plant's response to drought', *Journal of Plant Growth Regulation*, vol. 24, pp. 285-295, DOI: https://doi.org/10.1007/s00344-005-0103-1

Department of Primary Industries and Regional Development, 2024, *Measuring Soil Salinity, Factsheet DPIRD-181*, Department of Primary Industries and Regional Development, diakses 1 Juli 2026, (https://library.dpird.wa.gov.au/nrm_factsheets/26)

Dolezal, J, Jandova, V, Macek, M, & Liancourt, P, 2021, 'Contrasting biomass allocation responses across ontogeny and stress gradients reveal plant adaptations to drought and cold', *Functional Ecology*, vol. 35, pp. 32–42. DOI: https://doi.org/10.1111/1365-2435.13687

Edreva, A, 2005, 'Generation and scavenging of reactive oxygen species in chloroplasts: a submolecular approach', *Agriculture, Ecosystems & Environment*, vol. 106, no. 2-3, pp. 119-133, DOI: https://doi.org/10.1016/j.agee.2004.10.022

Fernandes, M.S. & Rossiello, ROP, 1995, 'Mineral nitrogen in plant physiology and plant nutrition', *Critical reviews in plant sciences*, vol. 14, no. 2, pp. 111-148, DOI: https://doi.org/10.1080/07352689509701924

Geilfus, CM, 2018, 'Chloride: from nutrient to toxicant', *Plant and Cell Physiology*, vol. 59, no. 5, pp. 877-886, DOI: https://doi.org/10.1093/pcp/pcy071

Gong, H, Zhu, X, Chen, K, Wang, S & Zhang, C, 2005, 'Silicon alleviates oxidative damage of wheat plants in pots under drought', *Plant Science*, vol. 169, no. 2, pp. 313-321, DOI: https://doi.org/10.1016/j.plantsci.2005.02.023

Gui, ZQ, Yuan, XL, Yang, J, Du, YM & Zhang, P, 2024, 'An updated review on chemical constituents from *Nicotiana tabacum* L.: chemical diversity and pharmacological properties', *Industrial Crops and Products*, vol. 214, pp. 118497. DOI: https://doi.org/10.1016/j.indcrop.2024.118497

Harborne, JB, 1984, *Phytochemical Methods,* Springer Dordrecht, Netherlands, pp. 1-36.

Hardie, M & Doyle, R, 2012, 'Measuring soil salinity', *Plant salt tolerance: methods and protocols*, pp. 415-425, DOI: https://doi.org/10.1007/978-1-61779-986-0_28

Hasanuzzaman, M, Zhou, M & Shabala, S, 2023, 'How does stomatal density and residual transpiration contribute to osmotic stress tolerance?', *Plants*, vol. 12, no. 3, pp. 494, DOI: https://doi.org/10.3390/plants12030494

Heady, HF, 1957, 'The measurement and value of plant height in the study of herbaceous vegetation', *Ecology*, vol. 38, no. 2, pp. 313-320, DOI: https://doi.org/10.2307/1931691

Hedrich, R & Shabala, S, 2018, 'Stomata in a saline world', *Current Opinion in Plant Biology*, vol. 46, pp. 87-95, DOI: https://doi.org/10.1016/j.pbi.2018.07.015

Hibberd, JM & Quick, WP, 2002, 'Characteristics of C-4 photosynthesis in stems and petioles of C-3 flowering plants', *Nature*, vol. 415, no. 6870, pp. 451-454, DOI: https://doi.org/10.1038/415451a

UNIVERSITAS GADJAH MADA
Respons Fisiologis dan Pertumbuhan Tembakau (Nicotiana tabacum L. â€˜Maniloâ€™) terhadap Pemberian Pupuk Urea dan Cekaman Salinitas
Jovanka, Prof. Dr. Diah Rachmawati, S.Si., M.Si.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Hoque, MA, Okuma, E, Banu, MNA, Nakamura, Y, Shimoishi, Y & Murata, Y, 2007, 'Exogenous proline mitigates the detrimental effects of salt stress more than exogenous betaine by increasing antioxidant enzyme activities', *Journal of Plant Physiology*, vol. 164, no. 5, pp. 553-561, DOI: http://dx.doi.org/10.1016/j.jplph.2006.03.010

Huan, W, Irfan, M, Yokamo, S, Lu, H, Lu, D, Chen, X, Wang, H & Zhou, J, 2024, 'Exploring the effects of nitrogen fertilization management and soil factors on the yield and quality of flue-cured tobacco in China—A quantitative research', *Agronomy*, vol. 14, no. 7, pp. 1365, DOI: https://doi.org/10.3390/agronomy14071365

Ievinsh, G, 2023, 'Water content of plant tissues: So simple that almost forgotten?', *Plants*, vol. 12, no. 6, pp. 1238, DOI: https://doi.org/10.3390/plants12061238

Integrated Taxonomic Information System, 2025, *Nicotiana tabacum* L., Integrated Taxonomic Information System, Diakses 9 Maret 2025 (https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=30568#null)

Jackson, KE, 1941, 'Alkaloids of tobacco', *Chemical Reviews*, vol. 29, no. 1, pp. 123-197, DOI: https://doi.org/10.1021/cr60092a004

Jambalsuren, B & Dondog, P, 2021, 'Screening for Superoxide Dismutase Activity in Certain Food and Medicinal Plants of Mongolia', *5th International Conference on Chemical Investigation and Utilization of Natural Resource (ICCIUNR-2021)*, pp. 28-31, DOI: https://doi.org/10.2991/ahcps.k.211004.005

Jassbi, AR, Zare, S, Asadollahi, M & Schuman, MC, 2017, 'Ecological roles and biological activities of specialized metabolites from the genus *Nicotiana*'. *Chemical Reviews*, vol. 117, no. 19, pp. 12227-12280, DOI: https://doi.org/10.1021/acs.chemrev.7b00001

Jiang, C, Zu, C & Wang, H, 2015, 'Effect of nitrogen fertilization on growth and photosynthetic nitrogen use efficiency in tobacco (*Nicotiana tabacum* L.)', *Journal of Life Sciences*, vol. 9, no. 8, pp. 373-80, DOI: 10.17265/1934-7391/2015.08.005

Jones Jr, JB, 2014, *Complete guide for growing plants hydroponically*, CRC Press, United States of America.

Karthika, KS, Rashmi, I, & Parvathi, MS, 2018, *Biological Functions, Uptake and Transport of Essential Nutrients in Relation to Plant Growth*. In: Hasanuzzaman, M., Fujita, M., Oku, H., Nahar, K., Hawrylak-Nowak, B. (eds) Plant Nutrients and Abiotic Stress Tolerance, Springer, Singapore, DOI: https://doi.org/10.1007/978-981-10-9044-8_1

Kishore, K, 2014, 'Monograph of tobacco (*Nicotiana tabacum*)'. *Indian Journal of Drugs*, vol. 2, no. 1, pp. 5-23.

Lambers, H & Oliveira, RS, 2019, *Plant Physiological Ecology,* Springer, United States of America, DOI: https://doi.org/10.1007/978-3-030-29639-1

Lawlor, DW, 2002, 'Carbon and nitrogen assimilation in relation to yield: mechanisms are the key to understanding production systems', *Journal of experimental Botany*, vol. 53, no. 370, pp. 773-787, DOI: https://doi.org/10.1093/jexbot/53.370.773

UNIVERSITAS GADJAH MADA
Respons Fisiologis dan Pertumbuhan Tembakau (Nicotiana tabacum L. â€˜Maniloâ€™) terhadap Pemberian Pupuk Urea dan Cekaman Salinitas
Jovanka, Prof. Dr. Diah Rachmawati, S.Si., M.Si.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Leogrande, R & Vitti, C, 2019, 'Use of organic amendments to reclaim saline and sodic soils: a review', *Arid Land Research and Management*, vol. 33, no. 1, pp. 1-21, DOI: https://doi.org/10.1080/15324982.2018.1498038

Letey, J, Hoffman, GJ, Hopmans, JW, Grattan, SR, Suarez, D, Corwin, DL, Oster, JD, Wu, L & Amrhein, C, 2011, 'Evaluation of soil salinity leaching requirement guidelines', *Agricultural Water Management*, vol. 98, no. 4, pp. 502-506, DOI: https://doi.org/10.1016/j.agwat.2010.08.009

Lewis, RS, 2020, '*Nicotiana tabacum* L.: Tobacco', in: J Novak & WD Blüthner (eds), *Medicinal, Aromatic and Stimulant Plants. Handbook of Plant Breeding*, vol 12, Springer, Cham, pp. 345-375, DOI: https://doi.org/10.1007/978-3-030-38792-1_9

Li, Y, Yang, X, Ren, B, Shen, Q & Guo, S, 2012, 'Why nitrogen use efficiency decreases under high nitrogen supply in rice (*Oryza sativa* L.) seedlings', *Journal of Plant Growth Regulation*, vol. 31, no. 1, pp. 47-52, DOI: https://doi.org/10.1007/s00344-011-9218-8

Ma, X & Bai, L, 2021, 'Elevated CO_2 and reactive oxygen species in stomatal closure', *Plants*, vol. 10, no. 2, pp. 410, DOI: https://doi.org/10.3390/plants10020410

Maathuis, FJ, 2009, 'Physiological functions of mineral macronutrients', *Current opinion in plant biology*, vol. 12, no. 3, pp. 250-258, DOI: https://doi.org/10.1016/j.pbi.2009.04.003

Machado, RMA & Serralheiro, RP, 2017, 'Soil salinity: effect on vegetable crop growth. 'Management practices to prevent and mitigate soil salinization', *Horticulturae*, vol. 3, no. 2, pp. 30, DOI: https://doi.org/10.3390/horticulturae3020030

MacRobbie, EAC, 1998, 'Signal transduction and ion channels in guard cells', *Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences*, vol. 353, no. 1374, pp. 1475-1488, DOI: https://doi.org/10.1098/rstb.1998.0303

Mailuhu, M, Runtuwenw, MRJ, & Koleangan, HSJ, 2017, 'Skrining fitokimia dan aktivitas antioksidan ekstrak methanol kulit batang soyogik (Saurauia bracteosa DC)', *Chem. Prog*, vol. 10, no. 1, pp. 1-6, DOI: https://doi.org/10.35799/cp.10.1.2017.27967

Malash, NM, Flowers, TJ & Ragab, R, 2008, 'Effect of irrigation methods, management and salinity of irrigation water on tomato yield, soil moisture and salinity distribution', *Irrigation Science*, vol. 26, pp. 313-323, DOI: https://doi.org/10.1007/s00271-007-0095-7

Mansour, MMF, 2013, 'Plasma membrane permeability as an indicator of salt tolerance in plants', *Biologia Plantarum*, vol. 57, pp. 1-10, DOI: https://doi.org/10.1007/s10535-012-0144-9

Mansour, MMF & Ali, EF, 2017, 'Evaluation of proline functions in saline conditions', *Phytochemistry*, vol. 140, pp. 52-68, DOI: http://dx.doi.org/10.1016/j.phytochem.2017.04.016

Marklund, S & Marklund, G, 1974, 'Involvement of the superoxide anion radical in the autoxidation of pyrogallol and a convenient assay for superoxide dismutase', *European Journal of Biochemistry*, vol. 47, no. 3, pp. 469-474, DOI: https://doi.org/10.1111/j.1432-1033.1974.tb03714.x

UNIVERSITAS GADJAH MADA
Respons Fisiologis dan Pertumbuhan Tembakau (Nicotiana tabacum L. â€˜Maniloâ€™) terhadap Pemberian Pupuk Urea dan Cekaman Salinitas
Jovanka, Prof. Dr. Diah Rachmawati, S.Si., M.Si.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Martins-da-Silva, AS, Torales, J, Becker, RFV, Moura, HF, Waisman Campos, M, Fidalgo, TM, Ventriglio, A & Castaldelli-Maia, JM, 2022, 'Tobacco growing and tobacco use', *International Review of Psychiatry*, vol. 34, no. 1, pp. 51-58, DOI: https://doi.org/10.1080/09540261.2022.2034602

Meloni, DA & Oliva, MA, Martinez, CA & Cambraia, J, 2003, 'Photosynthesis and activity of superoxide dismutase, peroxidase and glutathione reductase in cotton under salt stress', *Environmental and Experimental Botany*, vol. 49, no. 1, pp. 69-76, DOI: https://doi.org/10.1016/S0098-8472(02)00058-8

Misra, N & Gupta, AK, 2005, 'Effect of salt stress on proline metabolism in two high yielding genotypes of green gram', *Plant science*, vol. 169, no. 2, pp. 331-339, DOI: https://doi.org/10.1016/j.plantsci.2005.02.013

Møller, IM, Jensen, PE & Hansson, A, 2007, 'Oxidative modifications to cellular components in plants', *Annu. Rev. Plant Biol.*, vol. 58, no. 1, pp. 459-481, DOI: https://doi.org/10.1146/annurev.arplant.58.032806.103946

Mullan, D, & Pietragalla, J, 2011, *Physiological Breeding II: A Field Guide to Wheat Phenotyping*, CIMMYT, Mexico, pp. 25-26.

Munns, R & Tester, M, 2008, 'Mechanisms of salinity tolerance', *Annu. Rev. Plant Biol.*, vol. 59 no. 1, pp. 651-681, DOI: https://doi.org/10.1146/annurev.arplant.59.032607.092911

Nainggolan, Z & Sihotang, J, 2021, 'Analisis Pengaruh Jumlah Produksi, Nilai Tukar Dan Harga Internasional Terhadap Ekspor Tembakau Indonesia Tahun 1990–2019', *Journal of Economic and Business*, vol. 2, no. 2, pp. 18-28, DOI: https://doi.org/10.36655/jeb.v2i2.551

Nazir, F, Mahajan, M, Khatoon, S, Albaqami, M, Ashfaque, F, Chhillar, H, Chopra, P & Khan, MIR, 2023, 'Sustaining nitrogen dynamics: A critical aspect for improving salt tolerance in plants', *Frontiers in Plant Science*, vol. 14, pp. 1087946, DOI: https://doi.org/10.3389/fpls.2023.1087946

Niyogi, KK, 1999, 'Photoprotection revisited: genetic and molecular approaches', *Annual Review of Plant Biology*, vol. 50, no. 1, pp. 333-359, DOI: https://doi.org/10.1146/annurev.arplant.50.1.333

Olagunju, SO, Folarin, OC, Adenaike, EO, Nassir, AL, Oguntade, OA, Olayiwola, RO & Sakariyawo, OS, 2022, 'Fresh weight of vegetative organs improves grain yield prediction in upland rice under pre-anthesis water deficit', *Plant Physiology Reports*, vol. 27, no. 3, pp. 358-373. DOI: https://doi.org/10.1007/s40502-022-00685-6

Parihar, P, Singh, S, Singh, R, Singh, VP & Prasad, SM, 2015, 'Effect of salinity stress on plants and its tolerance strategies: a review', *Environmental Science and Pollution Research*, vol. 22, pp. 4056-4075, DOI: https://doi.org/10.1007/s11356-014-3739-1

Percey, WJ, Shabala, L, Breadmore, MC, Guijt, RM, Bose, J. & Shabala, S, 2014, 'Ion transport in broad bean leaf mesophyll under saline conditions', *Planta*, vol. 240, pp. 729-743, DOI: https://doi.org/10.1007/s00425-014-2117-z

Raal, A, Meos, A, Hinrikus, T, Heinämäki, J, Romāne, E, Gudienė, V, Koshovyi, O, Kovaleva, A, Fursenco, C, Chiru, T & Nguyen, HT, 2020, 'Dragendorff's reagent: Historical perspectives and current status of a versatile reagent introduced over 150 years ago at the University of Dorpat, Tartu, Estonia', *Die Pharmazie-An International Journal of Pharmaceutical*

UNIVERSITAS GADJAH MADA
Respons Fisiologis dan Pertumbuhan Tembakau (Nicotiana tabacum L. â€˜Maniloâ€™) terhadap Pemberian Pupuk Urea dan Cekaman Salinitas
Jovanka, Prof. Dr. Diah Rachmawati, S.Si., M.Si.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Sciences, vol. 75, no. 7, pp. 299-306. DOI: https://doi.org/10.1691/ph.2020.0438

Rachmat, M & Aldillah, R, 2010, 'Agribisnis tembakau di Indonesia: Kontroversi dan prospek', *Forum Penelitian Agro* Ekonomi, vol. 28, no. 1, pp. 69-80.

Raun, WR & Johnson, GV, 1999, 'Improving nitrogen use efficiency for cereal production', *Agronomy journal*, vol. 91, no. 3, pp. 357-363, DOI: https://doi.org/10.2134/agronj1999.00021962009100030001x

Ren, B, Wang, M, Chen, Y, Sun, G, Li, Y, Shen, Q & Guo, S, 2015, 'Water absorption is affected by the nitrogen supply to rice plants', *Plant and Soil*, vol. 396, No. 1, pp. 397-410, DOI: https://doi.org/10.1007/s11104-015-2603-5

Roberts, MJ, Long, SP, Tieszen, LL & Beadle, CL, 1985, 'Measurement of plant biomass and net primary production', in J Coombs, DO Hall & SP Long (eds), *Techniques in bioproductivity and photosynthesis*, Pergamon Press, Oxford, pp. 1-19, DOI: https://doi.org/10.1016/B978-0-08-031999-5.50011-X

Roy, SJ, Negrão, S & Tester, M, 2014, 'Salt resistant crop plants', *Current Opinion in Biotechnology*, vol. 26, pp. 115-124, DOI: http://dx.doi.org/10.1016/j.copbio.2013.12.004

Saha, P, Chatterjee, P & Biswas, AK, 2010, 'NaCl pretreatment alleviates salt stress by enhancement of antioxidant defense system and osmolyte accumulation in mungbean (*Vigna radiata* L. Wilczek)', *Indian Journal of Experimental Biology*, vol. 48, no. 6, pp. 593-600

Santoso, AD & Purnomo, P, 2021, 'Variation and phenetic relationship of Tobacco (*Nicotiana tabacum* L.) in Central Java and Yogyakarta based on morphological characters', *Jurnal Riset Biologi dan Aplikasinya*, vol. 3, no. 2, pp.73-79, DOI: https://doi.org/10.26740/jrba.v3n2.p73-79

Shabala, S, 2009, 'Salinity and programmed cell death: unravelling mechanisms for ion specific signalling', *Journal of Experimental Botany*, vol. 60, no. 3, pp. 709-712, DOI: https://doi.org/10.1093/jxb/erp013

Sheldon, AR, Dalal, RC, Kirchhof, G, Kopittke, PM & Menzies, NW, 2017, 'The effect of salinity on plant-available water'. *Plant and Soil*, vol. 418, pp. 477-491, DOI: https://doi.org/10.1007/s11104-017-3309-7

Sierla, M, Waszczak, C, Vahisalu, T & Kangasjärvi, J, 2016, 'Reactive oxygen species in the regulation of stomatal movements', *Plant Physiology*, vol. 171, no. 3, pp. 1569-1580, DOI: https://doi.org/10.1104/pp.16.00328

Sun, H, Sun, X, Wang, H & Ma, X, 2020, 'Advances in salt tolerance molecular mechanism in tobacco plants', *Hereditas*, vol. 157, no. 1, pp.5, DOI: https://doi.org/10.1186/s41065-020-00118-0

Swapna, S. & Shylaraj, KS, 2017, 'Screening for osmotic stress responses in rice varieties under drought condition', *Rice Science*, vol. 24, no. 5, pp. 253-263, DOI: https://doi.org/10.1016/j.rsci.2017.04.004

Szabados, L & Savouré, A, 2010, 'Proline: a multifunctional amino acid', *Trends in Plant Science*, vol. 15, no. 2, pp. 89-97, DOI: https://doi.org/10.1016/j.tplants.2009.11.009

Templeman, WG, 1961, 'Urea as a fertilizer', *The Journal of Agricultural Science*, vol. 57, no. 2, pp. 237-239, DOI: https://doi.org/10.1017/S0021859600047717

UNIVERSITAS GADJAH MADA
Respons Fisiologis dan Pertumbuhan Tembakau (Nicotiana tabacum L. â€˜Maniloâ€™) terhadap Pemberian Pupuk Urea dan Cekaman Salinitas
Jovanka, Prof. Dr. Diah Rachmawati, S.Si., M.Si.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Tok, S & Temizel, KE, 2022, 'Effects of irrigation water in different salinity on yield and quality parameters of tobacco (*Nicotiana tabacum* L.) plant', *Gesunde Pflanzen*, vol. 74, no. 1, pp. 9-16, DOI: https://doi.org/10.1007/s10343-021-00584-0

Uzelac, B, Stojičić, D & Budimir, S, 2021. 'Glandular trichomes on the leaves of *Nicotiana tabacum*: Morphology, developmental ultrastructure, and secondary metabolites', in: JM Mérillon, KG Ramawat & S Goyal (eds), *Plant cell and tissue differentiation and secondary metabolites: fundamentals and applications*, Springer, Cham, pp.25-61, DOI: https://doi.org/10.1007/978-3-030-30185-9

Wakeel, A, 2013, 'Potassium–sodium interactions in soil and plant under saline-sodic conditions', *Journal of Plant Nutrition and Soil Science*, vol. 176, no. 3, pp. 344-354, DOI: https://doi.org/10.1002/jpln.201200417

Wang, D, Xu, Z, Zhao, J, Wang, Y & Yu, Z, 2011, 'Excessive nitrogen application decreases grain yield and increases nitrogen loss in a wheat–soil system', *Acta Agriculturae Scandinavica, Section B-Soil & Plant Science*, vol. 61, no. 8, pp. 681-692, DOI: http://dx.doi.org/10.1080/09064710.2010.534108

Yang, H, Zhou, J, Fei, J, Ci, K, Li, D, Fan, J, Wei, C, Liang, J, Xia, R & Zhou, J, 2023, 'Soil ammonium (NH_4^+) toxicity thresholds for restoration grass species', *Environmental Pollution*, vol. 318, p. 120869, DOI: https://doi.org/10.1016/j.envpol.2022.120869

Yang, LY, Yang, S.L, Li, JY, Ma, JH, Pang, T, Zou, CM, He, B & Gong, M, 2018, 'Effects of different growth temperatures on growth, development, and plastid pigments metabolism of tobacco (*Nicotiana tabacum* L.) plants', *Botanical studies*, vol. 59, no. 5, DOI: https://doi.org/10.1186/s40529-018-0221-2

Yoder, LR & Mahlberg, PG, 1976, 'Reactions of alkaloid and histochemical indicators in laticifers and specialized parenchyma cells of *Catharanthus roseus* (Apocynaceae)', *American Journal of botany*, vol. 63, no. 9, pp. 1167-1173, DOI: https://doi.org/10.1002/j.1537-2197.1976.tb13202.x

Yu, B, Chao, DY & Zhao, Y, 2024, 'How plants sense and respond to osmotic stress', *Journal of Integrative Plant Biology*, vol. 66, no. 3, pp. 394-423, DOI: https://doi.org/10.1111/jipb.13622

Zenkner, FF, Margis-Pinheiro, M & Cagliari, A, 2019, 'Nicotine biosynthesis in Nicotiana: a metabolic overview', *Tobacco Science*, vol. *56*, no. 1, pp. 1-9. DOI: https://doi.org/10.3381/18-063

Zhang, Y, Yu, S, Li, Z, Chang, T, Xu, Q, Xu, H & Zhang, J, 2022, 'Effects of excessive nitrogen fertilizer and soil moisture deficiency on antioxidant enzyme system and osmotic adjustment in tomato seedlings', *International Journal of Agricultural and Biological Engineering*, vol. 15, No. 2, pp. 127-134, DOI: https://dx.doi.org/10.25165/j.ijabe.20221502.5555

Zhao, CX, Shao, HB & Chu, LY, 2008, 'Aquaporin structure–function relationships: water flow through plant living cells', *Colloids and Surfaces B: Biointerfaces*, vol. 62, no. 2, pp. 163-172, DOI: https://doi.org/10.1016/j.colsurfb.2007.10.015