

## DAFTAR PUSTAKA

- Abiko, Mafumi, Kenichi Akibayashi, Tadashi Sakata, Makoto Kimura, Makoto Kihara, Kazutoshi Itoh, Erika Asamizu, Shusei Sato, Hideyuki Takahashi, and Atsushi Higashitani. 2005. High-Temperature Induction of Male Sterility during Barley (*Hordeum Vulgare* L.) Anther Development is Mediated by Transcriptional Inhibition. *Sexual Plant Reproduction* 18 (2): 91–100. doi:10.1007/s00497-005-0004-2.
- Ahn, Yeh-jin, K. Claussen, and J.L. Zimmerman. 2004. Genotypic Differences in the Heat-Shock Response and Thermotolerance in Four Potato Cultivars. *Journal of Plant Science*. 166: 901–11.
- Aien, A., S. Khetarpal, and M. Pal. 2011. Photosynthetic Characteristics of Potato Cultivars Grown under High Temperature. *American-Eurasian Journal of Agriculture and Environmental Science*. 11 (5): 633–39.
- Angeles Morales, Ma, Arturo Torrecillas, José Miguel Dell’Amico, Pedro Rodríguez, Daymi Camejo, and Juan José Alarcón. 2005. High Temperature Effects on Photosynthetic Activity of Two Tomato Cultivars with Different Heat Susceptibility. *Journal of Plant Physiology* 162 (3): 281–89. doi:10.1016/j.jplph.2004.07.014.
- Arvin, M. J. and D. J. Donnelly. 2008. Screening Potato Cultivars and Wild Species to Abiotic Stress Using an Electrolyte Leakage Bioassay. *Journal Agriculture Science and Technology* 10 (January):33–42.
- Asandhi, A.A., S. Sastrosiswojo, Suhardi, dan Subhan. 1989. Kentang. Edisi kedua. Badan Penelitian dan Pengembangan Pertanian Balai Penelitian Hortikultura Lembang. 209 p.
- Asgar, A, S.T. Rahayu, and E. Sofiari. 2011. Uji Kualitas Umbi Beberapa Klon Kentang Untuk Keripik. *Jurnal Hortikultura* 21 (1): 51–59.
- Ashraf, M., and D. Lin Wu. 2011. Breeding for Salinity Tolerance in Plants. *Critical Reviews in Plant Sciences*, no. October 2012: 37–41. <http://www.tandfonline.com/doi/abs/10.1080/07352689409701906>.
- Ashraf, M., and M.R. Foolad. 2007. Roles of Glycine Betaine and Proline in Improving Plant Abiotic Stress Resistance. *Environmental and Experimental Botany* 59 (2): 206–16. doi:10.1016/j.envexpbot.2005.12.006.
- Badan Penelitian dan Pengembangan Pertanian. 2017. Laporan Kinerja Badan Penelitian Dan Pengembangan Pertanian.
- Ban, Â, A.Gonza, and E.A. Cano. 2002. Growth, Development and Colour Response of Potted *Dianthus Caryophyllus* Cv. Mondriaan to Paclobutrazol Treatment. *Scientia Horticulturae*. 94: 371–77.

- Barendse, G.W.M. and P. H. V. De Werken. 1980. Liquid chromatography of gibberellins, *Journal of Chromatography*. 198. 449-455
- Basu, P.S., and J.S. Minhas. 1991. Heat Tolerance and Assimilate Transport in Different Potato Genotypes. *Journal of Experimental Botany* 42 (240): 861–66.
- Basu, S., A. Roychoudhury, P.P. Saha, and D.N. Sengupta. 2010. Comparative Analysis of Some Biochemical Responses of Three Indica Rice Varieties during Polyethylene Glycol-Mediated Water Stress Exhibits Distinct Varietal Differences. *Acta Physiologiae Plantarum* 32 (3): 551–63. doi:10.1007/s11738-009-0432-y.
- Belakbir, A., J.M. Ruiz, and L. Romero. 1998. Yield and Fruit Quality of Pepper (*Capsicum Annuum* L.) in Response to Bioregulators. *Horticulture Science*. 33 (1): 85-87.
- Benoit, G.R., W.J. Grant, and O.J. Devine. 1986. Potato Top Growth as Influenced by Day-Night Temperature Differences. *Agronomy Journal*. 78: 264–69. doi:10.1016/0960-1686(93)90400-S.
- Berova, M., Z. Zlatev, and N. Stoeva. 2002. Effect of Paclobutrazol on Wheat Seedlings. *Journal of Plant Physiology*. 28 (1–2): 75–84.
- Bohac, J.A. 1990. Physiological, Morfological, and Biochemical Criteria for the Selection of Potato Germplasm That Maintains Yield under High-Temperatures. Doctoral Dissertation. Texas A&M University.
- Bousslama, M., and W.T. Schapaugh. 1984. Stress Tolerance in Soybeans. I. Evaluation of Three Screening Techniques for Heat and Drought Tolerance. *Crop Science*. 24 (83): 933-937
- Burton, W.G. 1981. Challenges for Stress Physiology in Potato. *American Potato Journal* 58: 3–14. <http://link.springer.com/article/10.1007/BF02855376>.
- Chaitanya, K.V., D Sundar, and A. R. Reddy. 2001. Mulberry Metabolism under High Temperature Stress. *Biologia Plantarum* 44 (3): 379–84.
- Chaney, W.R. 2005. Growth Retardants : A Promising Tool for Managing Urban Trees. Purdue Extension. Purdue University. FNR-252-W. 1-6.
- Collier, G.F., D.C.E Wurr, and V.C Huntington. 1980. The Susceptibility of Potato Varieties to Internal Rust Spot. *Journal of Agriculture Science, Comb* 94 (1): 407–10.
- Crafts-Brandner, S.J, and M.E Salvavucci. 2002. Sensitivity of Photosynthesis in a C4 Plant, Maize, to Heat Stress. RPEP, Tech. Report 5 (7): 1773–80. doi:10.1104/pp.002170.or.
- Dahal, K., X-qing Li, H. Tai, A. Creelman, and B. Bizimungu. 2019. Improving Potato Stress Tolerance and Tuber Yield Under a Climate Change Scenario – A Current Overview 10 (May). doi:10.3389/fpls.2019.00563.

- Davis, T.D. and E.A. Curry. 1991. Chemical Regulation of Vegetative Growth. *Critical Reviews in Plant Sciences* 10 (2): 151–88. doi:10.1080/07352689109382310.
- Demirevska-K., K., R. Hölzer, L. Simova-Stoilova, and U. Feller. 2005. Heat Stress Effects on Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase, Rubisco Binding Protein and Rubisco Activase in Wheat Leaves. *Biologia Plantarum* 49 (4): 521–25. doi:10.1007/s10535-005-0045-2.
- Dimalla, G.G. and J.Van Staden. 1977. Effect of Ethylene on the Endogenous Cytokinin and Gibberellin Levels in Tuberizing Potatoes. *Plant Physiology* 60 (2): 218–21.
- Duaja, M.D. 2012. Analisis Tumbuh Umbi Kentang (*Solanum Tuberosum*. L) Di Dataran Rendah. Program Studi Agroteknologi, Fakultas Pertanian Universitas Jambi 1 (2): 88–97.
- Dwelle, R.B., G.E. Kleinkopf, and J.J. Pavek. 1981. Stomatal Conductance and Gross Photosynthesis of Potato (*Solanum Tuberosum* L.) as Influenced by Irradiance, Temperature, and Growth Stage. *Potato Research* 24 (1): 49–59. doi:10.1007/BF02362016.
- Egan.H., R. Kirk and R. Sawyer. 1981. The Luff Schoorl method. Sugars and preserves. 8th Edition, Churchill Livingstone, London, New York.
- Epstein, E. 1966. Effect of Soil Temperature at Different Growth Stages on Growth and Development of Potato Plants. *Agronomy Journal*. 58 (2): 169–71. doi:10.2134/agronj1966.00021962005800020014x.
- Esmailpour, B., S. Hokmalipour, P. Jalilvand, and G. Salimi. 2011. The Investigation of Paclobutrazol Effects on Growth and Yield of Two Potato (*Solanum Tuberosum*. L) Cultivars under Different Plant Density. *Journal of Food, Agriculture & Environment*. 9 : 289–94.
- Ewing, E. E. 1981. Heat Stress and the Tuberization Stimulus. *American Potato Journal* 58 (1): 31–49. doi:10.1007/BF02855378.
- Ewing, E. E., and E.R. Keller. 1983. Limiting Factors to the Extention of the Potato into Non-Traditional Climates. In *Research for the Potato in the Year 2000 Pceedings* Edited by W.J Hooker, 37–40. International Potato Center. Lima, Peru.
- Farooq, M., A. Rehman, A. Wahid, and K.H.M. Siddique. 2016. Photosynthesis under Heat Stress. *Handbook of Photosynthesis*. (Book Section). January: 697–701. doi:10.1201/9781315372136-38.
- Fischer, R A, and A. Maurer. 1978. Drought Resistance in Spring Wheat Cultivars. I Grain Yield Responses. *Australian Journal of Agricultural Research*. 29: 897–912.
- Fletcher, R. A., and V. Arnold. 1986. Stimulation of Cytokinins and Chlorophyll Synthesis in Cucumber Cotyledons by Triadimefon. *Physiologia Plantarum*. 66 (2): 197–201. doi:10.1111/j.1399-3054.1986.tb02408.x.

- Fletcher, R. A. 2000. Triazoles as Plant Growth Regulators and Stress Protectants. *Horticulture Review*. Edited by Jules Janick. Vol. 24. June. 55-138.
- Geigenberger, P. 2003. Regulation of Sucrose to Starch Conversion in Growing Potato Tubers. *Journal of Experimental Biology*. 54(382):457–65.
- George, T.S., M.A. Taylor, I.C. Dodd, and P.J. White. 2017. Climate Change and Consequences for Potato Production: A Review of Tolerance to Emerging Abiotic Stress. *Potato Research*. 60(3–4):239–68.
- Ghosh, S.C., Koh-i. Asanuma, A. Kusutani, and M. Toyota. 2000. Effects of Temperature at Different Growth Stages on Nonstructural Carbohydrate, Nitrate Reductase Activity and Yield of Potato. *Environment Control in Biology*. 38 (4): 197–206.
- Hamdani, J. S. 2009. Pengaruh Jenis Mulsa terhadap Pertumbuhan dan Hasil Tiga Kultivar Kentang (*Solanum tuberosum* L.) yang Ditanam di Dataran Medium. *Jurnal Agronomi Indonesia*, 37(1), 14–20.
- Handayani, T., dan E.Sofiari. 2011. Karakterisasi Morfologi Klon Kentang Di Dataran Medium. *Buletin Plasma Nutfah*. September: 116–21.
- Handayani, T., H. Kurniawan dan E. Sofiari. 2014. Adaptasi Dan Produksi Klon-Klon Kentang Harapan Di Dataran Medium Majalengka. *Journal Agrin. Jurnal Penelitian Pertanian*. 18 (1): 88–96.
- Handayani, T., P. Basunanda, R.H. Murti dan E. Sofiari. 2013. Pengujian Stabilitas Membran Sel Dan Kandungan Klorofil Untuk Evaluasi Toleransi Suhu Tinggi Pada Tanaman Kentang *Journal Hortikultura*. 23 (1): 28–35.
- Hardiyanti, W. 2013. Pertumbuhan Dan Produksi Umbi Kentang (*Solanum Tuberosum* L.) Dari Bibit Umbi Kentang (G0) Dengan Pemberian Paclobutrazol. [repository.upi.edu/2354/4/S\\_BIO\\_0905692\\_Chapter1.pdf](http://repository.upi.edu/2354/4/S_BIO_0905692_Chapter1.pdf).
- Hasanuzzaman, M., K. Nahar, M. Alam, and R. Roychowdhury. 2013. Physiological , Biochemical , and Molecular Mechanisms of Heat Stress Tolerance in Plants, 9643–84. doi:10.3390/ijms14059643.
- Hijmans, R. J. 2003. The Effect of Climate Change on Global Potato Production. *American Journal of Potato Research*. 80 (4): 271–79. doi:10.1007/BF02855363.
- Hedden, P., and S.G. Thomas. 2012. Gibberellin Biosynthesis and Its Regulation. *Biocemical Society Journal*. 25: 11–25. doi:10.1042/BJ20120245.
- Hortikultura, Direktorat Perbenihan. 2014. Teknis Perbanyakan Dan Sertifikasi Benih Kentang.
- Ibrahim, M, A Nuraini, and D Widayat. 2015. Pengaruh Sitokinin Dan Paklobutrazol Terhadap Pertumbuhan Dan Hasil Benih Kentang (*Solanum Tuberosum* L.) G2 Kultivar Granola Dengan Sistem Nutrient Film Technique. *Jurnal Kultivasi* 14 (2): 36–41.

- Indrayati, A. 2013. Peningkatan Ketahanan Terhadap Risiko Bencana Melalui Pendidikan Konservasi Lahan Berbasis Masyarakat Di Dataran Tinggi Dieng. *Jurnal Geografi* 10 (2): 154–66.
- Ji, Shangning, and Paul W. Unger. 2010. Soil Water Accumulation under Different Precipitation, Potential Evaporation, and Straw Mulch Conditions. *Soil Science Society of America Journal*. 65 (2): 442. doi:10.2136/sssaj2001.652442x.
- Kar, Gouranga, and Ashwani Kumar. 2007. Effects of Irrigation and Straw Mulch on Water Use and Tuber Yield of Potato in Eastern India. *Agricultural Water Management*. 94 (1–3): 109–16. doi:10.1016/j.agwat.2007.08.004.
- Kasirajan, S., and M. Ngouajio. 2012. Polyethylene and Biodegradable Mulches for Agricultural Applications: A Review. *Agronomy for Sustainable Development*. 32 (2): 501–29. doi:10.1007/s13593-011-0068-3.
- Krauss, A., and H. Marschner. 1984. Growth Rate and Carbohydrate Metabolism of Potato Tubers Exposed to High Temperatures. *Potato Research* 27 (3): 297–303. doi:10.1007/BF02357638.
- Kris, U., J. Suharjo, and C. Herison. 2010. Keragaan Tanaman Kentang Varitas Atlantik Dan Granola Di Dataran Medium ( 600 m Dpl ) Bengkulu Pasca Irradiasi Sinar Gamma. *Akta Agrosia*. 13 (1): 82–88.
- Ku, Sun-Ben, G.E. Edwards, and C.B. Tanner. 1977. Effects Photosynthesis, Transpiration. *Plant Physiology*. 59 (5): 868–72.
- Kumar, Neeraj, A. S. Nandwal, R. S. Waldia, S. Singh, S. Devi, K. D. Sharma, and A. Kumar. 2012. Drought Tolerance in Chickpea as Evaluated by Root Characteristics, Plant Water Status, Membrane Integrity and Chlorophyll Fluorescence Techniques. *Experimental Agriculture* 48 (3): 378–87. doi:10.1017/S0014479712000063.
- Kusandriani, Y. 2014. Uji Daya Hasil Dan Kualitas Delapan Genotip Kentang Untuk Industri Keripik Kentang Nasional Berbahan Baku Lokal. *Jurnal Hortikultura*. 24 (4): 283–88.
- Lafta, A.M., and J.H. Lorenzen. 1995. Effect of Temperature on Carbohydrate Metabolism in Potato Plants. *Journal Plant Physiology*. 109 (2): 637–43. <http://jxb.oxfordjournals.org/lookup/doi/10.1093/jxb/42.5.619>.
- Levy, D., and R.E. Veilleux. 2007. Adaptation of Potato to High Temperatures and Salinity - A Review. *American Journal of Potato Research*. 84 (6): 487–506. doi:10.1007/BF02987885.
- Liao, X., Z. Su, G. Liu, L. Zotarelli, Y. Cui, and C. Snodgrass. 2016. Impact of Soil Moisture and Temperature on Potato Production Using Seepage and Center Pivot Irrigation. *Agricultural Water Management*. 165: 230–36.

- Lopez-D, H.A, I.M. Scott, and M.E Mora-Herrera. 2007. Chapter 7. Stress and Antistress Effects of Salicylic Acid and Acetyl Salicylic Acid on Potato Culture Technology. In *Salicylic Acid - A Plant Hormone*, edited by S Hayat and A Ahmad. Book Section. 163–95.
- Mabvongwe, O., B.T.Manenji, M. Gwazane, and M.Chandiposha. 2016. The Effect of Paclobutrazol Application Time and Variety on Growth, Yield, and Quality of Potato (*Solanum Tuberosum* L.). *Advance in Agriculture*. doi:10.1155/2016/1585463. 1-6.
- Mabvongwe, O. 2014. Effect of Time and Method of Paclobutrazol Application on Growth, Quality and Yeld of Potato (*Solanum Tuberosum* L.). Thesis. December. 1-84.
- Mahmood, M.M., K.Farooq, H.Amjad, and R.Sher. 2002. Effect of Mulching on Growth and Yield of Potato Crop. *Asian Journal of Plant Science*. 1 (2): 132-133.
- Mailingkay, B.H., J.M. Paulus, and J.E.X. Rogi. 2012. Pertumbuhan Dan Produksi Dua Varietas Kentang (*Solanum Tuberosum* L.) Pada Dua Ketinggian Tempat. *Journal Eugenia* 18 (2): 161–72.
- Mariana, M., and J.S.Hamdani. 2016. Growth and Yield of *Solanum Tuberosum* at Medium Plain with Application of Paclobutrazol and Paranet Shade. *Agriculture and Agricultural Science Procedia* 9. 26–30. doi:10.1016/j.aaspro.2016.02.117.
- Marinus, J., & K.B.A. Bodlaender. 1975. Response Of Some Potato Varieties To Temperature. *Potato Research*, 18(2),189–204. [tp://doi.org/10.1007/BF02361722](http://doi.org/10.1007/BF02361722)
- Mathur, S., D. Agrawal, and A. Jajoo. 2014. Photosynthesis: Response to High Temperature Stress. *Journal of Photochemistry and Photobiology B: Biology* 137. doi:10.1016/j.jphotobiol.2014.01.010.
- Mendoza, H. A. 1975. Adaptation of Cultivated Potatoes to the Lowland Tropics. In *Tropical Root Crops Symposium*, 50–53.
- Menzel, C.M. 1980. Tuberization in Potato at High Temperatures: Responses to Giberellin and Growth Inhibitors. *Annals of Botany* 46 (3): 259–65.
- Menzel, C.M. 1983. Tuberization in Potato at High Temperatures: Gibberellin Content and Transport from Buds. *Annals of Botany* 52 (5): 697–702.
- Menzel, C.M. 1985. Tuberization in Potato at High Temperature: Interaction between Temperature and Irradiance. *Annals of Botany* 55 (1): 35–39. doi:10.1006/anbo.IDEj.
- Midmore, D.J. 1984. Potato (*Solanum* Spp.) In the Hot Tropics I. Soil Temperature Effects on Emergence, Plant Development and Yield. *Field Crops Research* 8 (1): 255–71.
- Ngabekti, S., D.L.Setyowati, and R. Sugyanto. 2007. Tingkat Kerusakan Lingkungan Di Dataran Tinggi Dieng Sebagai Database Guna Upaya Konservasi. *Jurnal Manusia Dan Lingkungan* 14 (2): 93–102.

- Nuraini, A., S. Mubarak, and J.S. Hamdani. 2018. Effects of Application Time and Concentration of Paclobutrazol on the Growth and Yield of Potato Seed of G2 Cultivar Medians at Medium Altitude. *Journal of Agronomy*, 1–5. doi:10.3923/ja.2018.Research.
- Nuraini, A., S. Mubarak, and J.S. Hamdani. 2018. Effects of Application Time and Concentration of Paclobutrazol on the Growth and Yield of Potato Seed of G2 Cultivar Medians at Medium Altitude. *Journal of Agronomy* 1–5.
- Onwuka, B. 2018. Effects of Soil Temperature on Some Soil Properties and Plant Growth. *Advances in Plants & Agriculture Research* 8 (1): 34–37. doi:10.15406/apar.2018.08.00288.
- Pharis, R.P., and R.W. King. 1985. Gibberellins and Reproductive Development in Seed Plants. *Ann. Rev.Plant Physiology* 36 (1): 517–68.
- Prabaningrum, L., T.K. Moekasan, I. Sulastrini, T. Handayani, J.P. Sahat, E. Sofiari dan N. Gunadi. 2014. *Teknologi Budidaya Kentang Di Dataran Medium*.
- Prange, R.K, K.B. McRae, D.J. Midmore, and R. Deng. 1990. Reduction in Potato Growth at High Temperature : Role of Photosynthesis and Dark Respiration. *American Potato Journal* 67 : 56–79.
- Rademacher, W. 2000. Growth Retardants : Effects on Gibberellin. *Annual Review of Plant Physiology & Plant Molecular Biology* 51: 501–31.
- Ramli. 2010. Respon Varietas Kubis (*Brassica Oleraceae*) Dataran Rendah Terhadap Pemberian Berbagai Jenis Mulsa. *Journal Agroland*. 17 (1): 30–37.
- Reynolds, M.P., and E.E.Ewing. 1989. Effect of High Temperatures Stress on Growth and Tuberization in *Solanum Tuberosum*. *Annals of Botany* 64 (3): 241–47.
- Ritung, S., K. Nugroho, A., Mulyani, dan E. Suryani. 2011. *Petunjuk Teknis Evaluasi Lahan Untuk Komoditas Pertanian (Edisi Revisi)*. Balai Besar Penelitian Dan Pengembangan Sumberdaya Lahan Pertanian, Badan Penelitian Dan Pengembangan Pertanian. doi:10.1039/c6qm00199h.
- Rivero, R.M., M. Kojima, A. Gepstein, H. Sakakibara, R. Mittler, S. Gepstein, and E. Blumwald. 2007. Delayed Leaf Senescence Induces Extreme Drought Tolerance in a Flowering Plant. *Proceedings of the National Academy of Sciences of the United States of America* 104 (49): 19631–36. doi:10.1073/pnas.0709453104.
- Robinson, S.P. and P. Graham. 1986. Accumulation of Glycinebetaine in Chloroplasts Provides Osmotic. *Australian Journal of Plant Physiology* 13 (1983): 659–68.
- Ruchjaningsih. 2006. Efek Mulsa Terhadap Penampilan Fenotipik Dan Parameter Genetik Pada 13 Genotip Kentang Di Lahan Sawah Dataran Medium Jatinangor. *Jurnal Hortikultura* 16 (4): 290–98.

- Rykaczewska, K. 2013. The Impact of High Temperature during Growing Season on Potato Cultivars with Different Response to Environmental Stresses. *American Journal of Plant Sciences* 4 : 2386–93.
- Rykaczewska, K. 2015. The Effect of High Temperature Occurring in Subsequent Stages of Plant Development on Potato Yield and Tuber Physiological Defects. *American Journal of Potato Research*. 339–49. doi:10.1007/s12230-015-9436-x.
- Sairam, R. K., and Aruna Tyagi. 2004. Physiology and Molecular Biology of Salinity Stress Tolerance in Plants. *Current Science* 86 (3): 407–21.
- Sakamoto, A., and N. Murata. 2002. The Role of Glycine Betaine in the Protection of Plants from Stress: Clues from Transgenic Plants. *Plant, Cell and Environment* 25 (2): 163–71. doi:10.1046/j.0016-8025.2001.00790.x.
- Salvucci, Michael E., and Steven J. Crafts-Brandner. 2004. Relationship between the Heat Tolerance of Photosynthesis and the Thermal Stability of Rubisco Activase in Plants from Contrasting Thermal Environments. *Plant Physiology* 134 (4): 1460–70. doi:10.1104/pp.103.038323.
- Sambeka, F., and S.D. Runtunuwu. 2012. Efektifitas Waktu Pemberian Dan Konsentrasi Paclobutrazol Terhadap Pertumbuhan Dan Hasil Kentang (*Solanum Tuberosum* L.) Varietas Supejohn. *Eugenia* 18 (2): 126–34.
- Sattelmacher, B., H.Marschner, and R.Kuhne. 1990. Effects of the Temperature of the Rooting Zone on the Growth and Development of Roots of Potato (*Solanum Tuberosum*). *Annals of Botany*. 65 (1): 27–36.
- Simko, I. 1991. In Vitro Potato Tuberization after Treatment with Paclobutrazol 46 : 251–56.
- Simms, E. L. 2000. Defining Tolerance as a Norm of Reaction. *Evolutionary Ecology*. 14 (January): 567–70. doi:10.1023/A.
- Smith, O. 1968. *Potatoes : Production, Storing, Processing*. The Avi Publishing Company, inc. Westport, Connecticut. 632p.
- Singh, A., M. K. Sharma, and R.S. Sengar. 2017. Osmolytes : Proline Metabolism in Plants as Sensors of Abiotic Stress Osmolytes : Proline Metabolism in Plants as Sensors of Abiotic Stress, no. June 2018. doi:10.31018/jans.v9i4.1492.
- Soumya, P. R., P. Kumar, and M. Pal. 2017. Paclobutrazol: A Novel Plant Growth Regulator and Multi-Stress Ameliorant. *Indian Journal of Plant Physiology* 22 (3). Springer India: 267–78. doi:10.1007/s40502-017-0316-x.
- Struik, P.C., J. Geertsema, and C.H.M.G. Custers. 1989. Effects of Shoot, Root and Stolon Temperature on the Development of the Potato (*Solanum Tuberosum* L.) Plant. II. Development of Stolons. *Potato Research* 32 (2): 143–49. doi:10.1007/BF02358226.

- Subba, S.Kr. and P. Dukpa. 2019. Breeding for Tolerance to Heat Stress and on Changing Environment: A Case Study on Potato. *Current Journal of Applied Science and Technology*. 32(5):1–6.
- Subrahmaniyan, K., and W. Zhou. 2008. Soil Temperature Associated with Degradable, Non-Degradable Plastic and Organic Mulches and Their Effect on Biomass Production, Enzyme Activities and Seed Yield of Winter Rapeseed (*Brassica Napus* L) Soil Temperature Associated with Degradable. *Journal of Sustainable Agriculture*. 32(4): 611-627. Non-D 0046. doi:10.1080/10440040802394927.
- Sukarman dan A. Dariah. 2014. Tanah Andosol Di Indonesia. Edited by Markus Anda, Hikmatullah, and Yoyo Sulaeman. Bogor: Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian.
- Sun, Y., F. Yan, X. Cui and F. Liu. 2014. Plasticity in Stomatal Size and Density of Potato Leaves under Different Irrigation and Phosphorus Regimes. *Journal of Plant Physiology*. 171 (14):. 1248–55. doi:10.1016/j.jplph.2014.06.002.
- Supriatna, J., R. Fajarika, A. Bagja, and J.P. Sahat. 2018. Seleksi Kultivar Kentang (*Solanum Tuberosum* L.) Berdasarkan Penampilan Karakter Agronomis Di Dataran Medium Kabupaten Garut. *Journal of Agriculture and Science*. 3(1). December: 0–10.
- Tang, R., S. Niu, G. Zhang, G. Chen, M. Haroon, Q. Yang, O. P. Rajora, and X. Qing Li. 2018. Physiological and Growth Responses of Potato Cultivars to Heat Stress. *Botany*. 96 (12): 897–912. doi:10.1139/cjb-2018-0125.
- Tekalign, T., P.S Hammes and J. Robbertse. 2005. Paclobutrazol-Induced Leaf , Stem , and Root Anatomical Modifications in Potato. *Horticulture Science*. 40 (5): 1343–46.
- Tekalign, T. 2005. Response of Potato to Paclobutrazol and Maniputaion of Reproductive Growth under Tropical Condition. Doctoral Dissertation. Department of Plant production and Soil Science. Faculty of Naturl and Agricultural Science. University of Pretoria. 221p.
- Tekalign, T. and P.S. Hammes. 2004. Response of Potato Grown under Non-Inductive Condition Paclobutrazol: Shoot Growth, Chlorophyll Content, Net Photosynthesis, Assimilate Partitioning, Tuber Yield, Quality, and Dormancy. *Plant Growth Regulation*. 43(3):227–36.
- Tekalign, T. and P. S. Hammes. 2005. Growth and Biomass Production in Potato Grown in the Hot Tropics as Influenced by Paclobutrazol. *Plant Growth Regulation* 45(1):37–46. Retrieved (<http://link.springer.com/10.1007/s10725-004-6443-1>).
- Tekalign, T. and P. S. Hammes. 2006. The Effect of MCPA and Paclobutrazol on Flowering, Berry Set, Biomass Production, Tuber Yield and Quality of Potato. *South African Journal of Plant and Soil* 23(2):126–31. Retrieved (<http://www.tandfonline.com/doi/abs/10.1080/02571862.2006.10634742>).

- Tekalign, T. and P. S. Hammes. 2005a. Growth Responses of Potato (*Solanum Tuberosum* L.) Grown in a Hot Tropical Lowland to Applied Paclobutrazol: 1. Shoot Attributes, Assimilate Production and Allocation. *New Zealand Journal of Crop and Horticultural Science* 33 (1): 35–42. doi:10.1080/01140671.2005.9514328.
- Terri W.S. and W. Millie S. 2000. Growth Retardants Affect Growth and Flowering of *Scaevola*. *Horticulture Science* 35 (1): 36–38.
- Timlin, D., S.M. Lutfur Rahman, Jeffery Baker, V. R. Reddy, David Fleisher, and Bruno Quebedeaux. 2006. Whole Plant Photosynthesis, Development, and Carbon Partitioning in Potato as a Function of Temperature. *Agronomy Journal*. 98 (5): 1195–1203. doi:10.2134/agronj2005.0260.
- Toscano, S., A. Trivellini, A. Ferrante, and D. Romano. 2018. Physiological Mechanisms for Delaying the Leaf Yellowing of Potted Geranium Plants. *Scientia Horticulturae* 242 (August). Elsevier: 146–54. doi:10.1016/j.scienta.2018.07.030.
- Van Dam, J., P.L. Kooman, and P.C. Struik. 1996. Effects of Temperature and Photoperiod on Early Growth and Final Number of Tubers in Potato (*Solanum Tuberosum* L.). *Potato Research*. 39 (1): 51–62. doi:10.1007/BF02358206.
- Vu, Joseph C.V., Russ W. Gesch, Arja H. Pennanen, L. Allen Hartwell, Kenneth J. Boote, and George Bowes. 2001. Soybean Photosynthesis, Rubisco, and Carbohydrate Enzymes Function at Supraoptimal Temperatures in Elevated CO<sub>2</sub>. *Journal of Plant Physiology* 158 (3): 295–307. doi:10.1078/0176-1617-00290.
- Wahid, A, S. Gelanil, M. Ashraf, and M. Foolad. 2007. Heat Tolerance in Plants: An Overview. *Environmental and Experimental Botany* 61 (3): 199–223. doi:10.1016/j.envexpbot.2007.05.011.
- Wardiyati, T. 2005. Budidaya Kentang Dataran Medium. Fakultas Pertanian, Universitas Brawijaya.
- Weber, Courtney A. 2003. Biodegradable Mulch Films for Weed Suppression in the Establishment Year of Matted-Row Strawberries. *Hort Technology* 13 (4) (August): 665–68. doi:10.21273/HORTTECH.13.4.0665.
- Wolf, S., A.A. Olesinski, J. Rudich, and A. Marani. 1990. Effect of High Temperature on Photosynthesis in Potatoes. *Annals of Botany*. 65 (2): 179–85. <http://www.jstor.org/stable/42758299>.
- Wolf, S. 1990. Effects of Temperature and Photoperiod on Assimilate Partitioning in Potato Plants. *Annals of Botany* 66 (5): 513–20.
- Zaag, D.E. Van der. 1992. Potatoes and Their Cultivation in the Netherlands. The Ministry of Agricultural and Fisheries. NIVAA (Netherlands Potato Consultative Institute).