

## DAFTAR PUSTAKA

- Anonim.2010. *Panduan Produk Penggunaan Pupuk organik Cair Nasa*.  
Jogyakarta: PT. Natural Nusantara
- Anonim. 2011. Klorofil. Situs Web Wikipedia Indonesia, Diakses pada tanggal 9 maret 2015.
- Ahuja, U., Chaudhary, N., and Thakrar, R. 2007. Red rices – past, present and future. *Asian Agri- History*. 11: 291–304.
- Allidawati dan Bambang, K. 1989. Metode Uji Mutu Beras Program Pemuliaan Padi. Pusat Penelitian dan Pengembangan Tanaman Pangan. Bogor. Hal. 367-375.
- Arnon, DI. 1999. Copper enzymes in solated chloroplast, poliphenol oxidase in beta vulgaris. *Plant Physiol*. 24:1-15.
- Azmat, R., Haider S, Nasreen H, Aziz F, Riaz M. 2009. Aviable alternativemechanism in adapting the plants toheavy metal environment. *Pak J.Bot* 41: 2729 -2738.
- Avery, G.S. and Pottorf, L. (2011) Auxin and nitrogen relationships ingreen plants. *Am. J. Bot.*32(4): 666–669
- Bahri, S. 2010. Klorofil. *Diktat Kuliah Kapita Seleкта Kimia Organik*. Universitas Lampung.
- Barner. A.M., R.H. Walser, and T.D. Davis. 2004. Anatomy of *Zea may* and *Glycin max* seedling treated with triazole plant growth regulators. *Biol. Plant*. 31:370-375.
- Basri, S. 2014. Aplikasi paklobutrazol dan pupuk organik cair terhadap struktur morfologi dan anatomi tanaman cabai (*Capsicum anum*). *J. Agronomi*. 1(1): 45-58.
- Berova, M. and Zlatev, Z. 2000. Physiological response and yield of paclobutrazol treated tomato plants(*Lycopersicon esculentum*).*Plant Growth Regulation*. 30: 117–123
- Belitz, H.D. and W. Grosch. 2009. Food chemistry. *Springer Verlag, Berlin*. Vol 13: 191-197.
- Bing, L., Zhigang, G., and Jiansheng, L. 2008. Effects of the activities of key enzymes involved instarch biosynthesis on the fine structure of

amylopectinin developing rice (*Oryza sativa* L.) endosperms. *HortSci*. 51(10):863-871

Blanco, A., Monge, and Val. J. 1999. Effect of paklobutrrol on stomata size and density peach leaves. *Holtikulturae*. 4(6):456-462.

Blair G.L, Chapman L.,Whitbread A.M., Coelho B.B., Larsen, P., and Tissen H. 2001. Soil carbon change resulting from sugarcane trash management at two locations in Queensland, Australia and in North-East Brazil. *Australian J. os Soil Research*. 36:871 – 881

Bonner, J. and W. Galston, 1951. Principle of Plant Physiologi. Wh Freeman And Company, San Fransisko.

Bora, K., Munot, J., and Mrthur, S. 1991. Metabolic changes associated with paclobutrazol induced rooting in hypocotyl of mung ben. *Bot. Bull. Academia Sinica*, 32(2):9-14.

Burrow, G.E. F., S.Buag, and W. Stewart. 2006. Change in leaf, steam, and root anatomy of chrysantenum lilian Huek following paclobutrazol application. *J. plant Growth Regulata*. 11(5): 189-194.

Boyer and J.C. Shanon. 2002. Plant breeding. *Plant Breed*. 2(4):71–81

Cathey, H, M. 2005. Comparativeplantgrowthretardantactivitiesat ancymidol with ACPC,philsphon,chlormeqaunadt SADH on ornamenta plantspecies. *HortSci*. 13(3): 240-216

Chaney, E. R. 2005. *Paclobutrazol: More Than Just a Growth Retardant*. Pro-HortConference, Peoria, Illinois, February 4th.Department of Forestry and NaturalResources. Purdue University.

Chaplin, M. 2002. Starch. <http://www.sbu.ac.uk>. [25 March 2015)

Christov, C. and Kovachev, V. 1960. Use of paclobutrazol to control vegetative growth and improve fruiting efficiency of grapevines (*Vitis vinifera* l.). *Bulg. J. Plant physiol*. 21(4): 64–71.

Ciptadi, Suwanto, dan Hamim. 2009. The Effect of several organic fertilizers towards the growth and production of upland rice plant. *Hort ScLi*. 3(5): 212-220

Comb, GeraIf. 1991. *The Vitamins Fondamental Aspect in Nutrien and Health*. Newyork: Thaca Cornell Uninersity.

- Crawford, S. 2010. Strigolactones enhance competition between shoot branches by dampening auxin transport. *Development*. 137(4):2905–2913 (2010).
- Damagalska, M and Leyser, O. 2011. Signal integration the control of shoot branching. *Molecular Cell Biology*. 12: 145-152
- Darwis, S.N. 2000. *Agronomi Tanaman Padi, Jilid I. Teori Pertumbuhan dan Meningkatkan Hasil Padi*. Lembaga Pusat Penelitian Pertanian Perwakilan Padang.
- Davis. 2005. *Plant Hormone. Biosynthesis, Signal Trnduction, and Action*. Kluwer Academic publisher. The Netherlands. 750p
- Eliasson, A.C. 1996. *Carbohydrates in Foods. University of Lund, Swedia*.
- Ermayanti, T.M., Juliarni, dan Y. andry. 2004. Struktur anatomi daun *Artemisia* hasil kultur jaringan. *Biota*. 9(3): 144-154
- Gardner, F. P., B. Pearce, and R. L. Mitchel. 2008. *Fisiologi tanaman budidaya*. Ui-Press. Jakarta. 428p
- Gianfaga, T.J.2005. Natural and synthetic growth regulator and their use in holticultural and agronomic crops. *J. Marner*. 45 (1): 614-635.
- Goldworthy, P.R. and N.M. Fisher. 1996. *Fisiologi Tanaman Budidaya Tropik*. Gadjah Mada University Press. Yogyakarta. 874p
- Gomez, K and A. Gomez. 2010. *Prosedur Statistik untuk Penelitian Pertanian*. Edisi Kedua. (Diterjemahkan oleh Endang Sjamsuddin dan Yustika S. Baharsjah). Jakarta: Universitas Indonesia. 98-100 p
- Gossman, K. 2008. Plant growth suspensions for scanning and studying the mode of action of plant growth reterdanst. *Advances in Cell Culture. Academic Press Inc*. 88(4): 9-136.
- Grant and Vatnick. 2009. Envernonmental correlates of leaf stomata density. *Journal of Biology* (1):1-5
- Hadi, P., Sarwono. 2013. Pengaruh macam pupuk dan pestisida organik terhadap pertumbuhan dan hasil tanaman padi hitam. *J. Inovasi Pertanian* 11:60-69.
- Hadisaputro S, Rochiman K, Mirzawan PDN, Sukarso G, dan Sugiharto B. 2008. Kajian peran hara nitrogen dan kalium terhadap aktivitas *Phosphoenolpyruvate Carboxylase* di dalam daun tebu keprasan varietas M 442-51 dan Ps 60. *J. Ilmu Dasar*, 9(1): 62-71.

- Hafeez-ur-Rahman, Khan, A., Husain, M., and Tariq, M. 1989. Effect of paclobutrazol on plant growth and yield. *Pakistan J. Agric. Res.* 10 (1): 53-55
- Hammes, P.S and T. Tsegaw. 2004. Respond of potato growth under non-induced green house conditions paclobutrazol: shoot, growth, chlorophyll content, net photosynthesis, assimilate partiti, tuber yield and dormancy. *Plant Growth Regulation.* 43(2): 227-256.
- Hammes, Tsegaw, T., and Robbersts, J. 2005. Paclobutrazol induced leaf, stem, and root anatomical modification in potato. *Plant Production and Science.* 40(5): 1345-1346.
- Haryanti, S. 2010. Jumlah dan distribusi stomata pada daun beberapa spesies tanaman dikotil dan monokotil. *Jurnal buletin Anatomi dan Fisiologi.* Vol. 18, No. 2
- Hasal, R., Sarawa, dan Sandimantara, R. 2012. Respon tanaman anggrek *Dendrobium* sp. terhadap pemberian paklobutrazol dan pupuk organik cair. *J. Argonomi.* 1(1):71-78
- Hedden, P. and Graebe, J.2005. Inhibition of giberellin biosynthesis by paclobutrazol in cellfree homogenates of *Cucurbita maxima* endosperm and *Malus pumila* Embryos. *J. Plant Growth Regul.* 4: 111–122.
- Hollenbanch, B., L. Schreiber, W. Hartung, and K.J. Dietz. 1997. Cadmium leads to stimulated expression of lipid transfer proteins in barley: Implication for involvement of LT in wax assembly. *Planta,* 203:9-19
- Hua, S. Zhang, Y. Yu, B. Ding, and Fang.Z., 2014. Paclobutrazol application effect on plant hight, seed yield and carbohydrate metabolism in Canola. *International J. Agric. And Biol.* 16:471-479.
- Hustiany, R. 2006. Modifikasi Asilasi dan Suksinilasi Pati Tapioka sebagai Bahan Enkapsulasi Komponen Flavor. *Disertasi,* Institut Pertanian Bogor.
- Ibrahim, M. S. 2014. Pengaruh paklobutrazol terhadap pertumbuhan Bangle (*Zingiber purpureum*) penyimpanan in-vitro. *Balai Penelitian Obat dan Rempah.*
- lcl. 1986. *Paclobutrazo Plant Growth Regulatofror Technica Data.* England Plant Protection Division Surrey 4. 1p
- Indrakusuma.2000. *Proposal Pupuk Organik Cair Supra Alam Lestari.* Yogyakarta: PT Surya Pratama Alam. .5-15p

- Istiqomah, N. 2014. Uji penambahan pupuk organik cair terhadap pertumbuhan dan hasil tanam kacang tanah yang dibudidayakan di lahan Rawa Lebak. *Media Sains*. 7(2):453-459
- Jacobs, H. and J.A. Delcour. 1998. Hydrothermal modifications of granular starch with retention of the granular structure. *J. AgricFood Chem*. 46(8): 2895–2905
- James, M.J., Denyer, K. and Myers, M.A. 2003. Starch synthesis in the cereal endosperm. *Physiology and Metabolisme*, 6:215–222
- Kamountsisa and Choronaupolen. 1999. Paclobutrazol effect growth and flower bud production in gardenia under different light regimes. *Holculture Science*, 34:674-675
- Karaguzel, O. and V. Ortacesme. 2002. Influence of paclobutrazol on the growth and flowering of *Bougainvillea glabra* 'Sanderiana'. *Ziraat Fakultesi Dergisi, Akdeniz Universitesi*, 15(1): 79-84.
- Keshorekumar, A., Jaleel, C.A., Manivanan, Sangkar, B. Sridan, D., and pannerselvan, R. 2007. Comparative effect of different triazole on growth, photosyntetic pigment and carbohidrat metabolism of *Solanum rotundifolius*. *Colloid and Surface: Biointerface*. 60: 207-212.
- Kesele, I.N., J.F. Shanahan, and D.C Nielsesn. (2002). Impact of growth retardant on corn leaf morphology and gas exchange traits. *Cop Sci*. 35: 190-194.
- Kristamtini .2009. Mengenal Beras Hitam Dari Bantul. *Tabloid Sinar Tani*. 13 Mei 2009. Balai Pengkajian Teknologi Pertanian (Bptp). Yogyakarta
- Kristamtini and Purwaningsih, H. 2009. Kandungan Besi Beras Merah dan Beras Hitam Lokal Yogyakarta. *Seminar*. 23 februari 2009. Balai Pengkajian Teknologi Pertanian (Bptp).Yogyakarta.
- Kristamtini. 2012. Kelebihan beras hitam sebagai pangan fungsional. <https://wedangberashitam.wordpress.com/2015/05/08>.
- Kulkarni, V., Hamilton, D., and Mahon, G. 2006. Flowering and Fruiting in Mangoes in the Top End with Paclobutrazol. <http://www.nt.gov.au/dpifm>. [14 mei 2014].
- Khursid, T., D.L. McNeil, M.C.T. Trought, 1997. Effect of foliar-applied Giberellins and soil-applied packlobutrazol on reproductive and vegetative growth of Braeburn apple tress growing under a high-density planting sytem. *J. of Crop and Holticultural Science*. 25: 49-58.

- Krouk, G., Ruffel, S., Rodrigo, A., and Gloria, M. 2011. A framework integrating plant growth with hormones and nutrients. *Trends in Plant Science*. 16(4):354-369
- Laksmiwati, M., Retnayani, K., and Agustini, W. 2012. Kadar thiamin hidroklorida (Vitamin B1) pada nasi beras merah pada berbagai waktu penyimpanan pada alat magic com. *J. Kimia*. 6(1):47-54
- Lee, S.T and Hing, W.L. (2014). Cytokinin, auxin and abscisic acid effect sucrose metabolism induce to de novo shoot callus organogenesis in rice (*Oryza sativa* L) callus. *Botanical Studies*. 54: 2-11
- Lee, P.O. and J.S. Lee. 1990. Effects of ancymidol and paclobutrazol on growth and flowering of potted gerbera. *J. of the Korean Society for Horticultural Science*, 31(3): 300-304.
- Lestari. E.G. 2006. Hubungan antara kerapatan stomata dengan ketahanan kekeringan pada somaklon padi gajah mungkur, towuti, dan IR 64. *Journal Biodivitas* 7(1): 44-48
- Liu, Y., Xu, J., Ding, Y., Wang, Q., Li, G., and Wang, S., 2011. Auksin inhibits the outgrowth of tiller buds in rice (*Oryza sativa* L) by downregulating OsIPT expression and cytokinin biosynthesis in nodus. *J. Crop Science*. 5(2): 169:174.
- Mansuroglu, S., O. Karaguzel, V. Ortacesme and M.S. Sayan . 2009. Effect of paclobutrazol on flowering and colour of *Consolida orientalis*. *Pak. J. Bot.*, 41(5): 2323-2332
- Marpaung, I. S., Ratmini, S., 2014. Efektifitas pupuk organik untuk meningkatkan produktivitas padi lahan pasang surut. *Prosiding Seminar Nasional Lahan Suboptimal 2014, Palembang 26-27 September 2014*. ISBN : 979-587-529-9
- Marschner, H. 2003. *Mineral Nutrition of Higher Plant (ed 2)*. California: San Diego. 188p.
- Master. 2009. Unsur Hara Fosfor. [http://pupukdsp.com/indeks.php/pupuk-tanaman/Unsur-Hara-Fosfos\\_P.Html](http://pupukdsp.com/indeks.php/pupuk-tanaman/Unsur-Hara-Fosfos_P.Html) (diakses 5 mei 2015)
- Miskin, E.K., D.C. Rasmusson, and D.N. Moss. 2002. Inheritance and physiological effects of stomatal frequency in barley. *J. Crop Science*. 12: 780-783

- Moningka, F. F., S. D, Runtunuwu. dan J.M. Paulus. 2012. Respon pertumbuhan tinggi dan produksi tanaman cengkeh (*Syzigium aromaticum* L) terhadap pemberian paklobutrazol. *Eugenia*, 18(2):118-127.
- Na, C.L Hayamen, M. Khan, and Lee, I.I. 2011. Influence of prohexadion-calcium, tripenexapac-ethyl and hexaconazole on lodging characteristic and GA biosynthesis of Rice. *J. Biotech.* 60:13097-13106
- Nagai, Y.S. Sangkusinghara, C. Edwards, G. E. Satoh and Okita, T.W. 2009. Control of starch synthesis in cereals: Metabolisme analysis of transgenic rice expressing up-regulated cytoplasmic ADP-glucose phyrophosphorylase in developing seed. *Plant cell Physiol*, 50(3): 635-643
- Nassaruddin. 2002. Aktivitas beberapa proses fisiologis tanaman kakao muda di lapang pada berbagai naungan buatan. *Journal Agrisistem*. 2(1):23-45
- Nasr, M.N. 1995. Effects of methods of application and concentrations of paclobutrazol on *Pelargonium zonale* (L) as a pot plant. *J. of Agricultural Research*, 40(3); 261-279.
- Ningsih, R., Darwati, I., Megia, R., dan Rostika, I,. 2011. Karakter anatomi daun kultur purwoceng pascakonservasi invitro. *Buletin Plasma Nutvah*. 17(1): 123-127.
- Novizan, 2002. *Petunjuk Pemupukan Secara Efektif*. AgroMedia. Jakarta
- Nouriyani, H. Marjidi, E. Seyyednejad, S.M. and Naderi, A. 2012. Effect of paclobutrazol under different levels of nitrogen on some physiological traits of two wheat Cultivars (*Triticum aestivum* L.). *J. World Applied Sciences*. 16 (1): 01-06
- Oates, C.G. 2007. Towards an understanding of starch granule structure and hydrolysis. Review. *Trends Food Sci. Technol.* 8: 375– 382.
- Ookura, T. Wada, M. Sakakibara, Y. Jeong, K.H. Maruta, I. Kawamura, Y. and kasamo, K. 2004. Identification and characterization of family of gene for the plasma membrane H<sup>+</sup> -ATPase of *Oryza sativa* L. *Plant Cell Physiol*. 35: 1251-1256.
- Oparka, K.J. and Gates. 2002. Transport asimilasi in the developing caryopsis of rice ultrastructure of pericarp vascular bundle and its conection with the aleurone layer. *Planta*. 151:561-573
- Parman, S. 2007. Pengaruh pemberian pupuk organik cair terhadap pertumbuhan dan produksi kentang (*Solanum tuberosum* L.) *Buletin Anatomi dan Fisiologi*. 9(2):236-245.

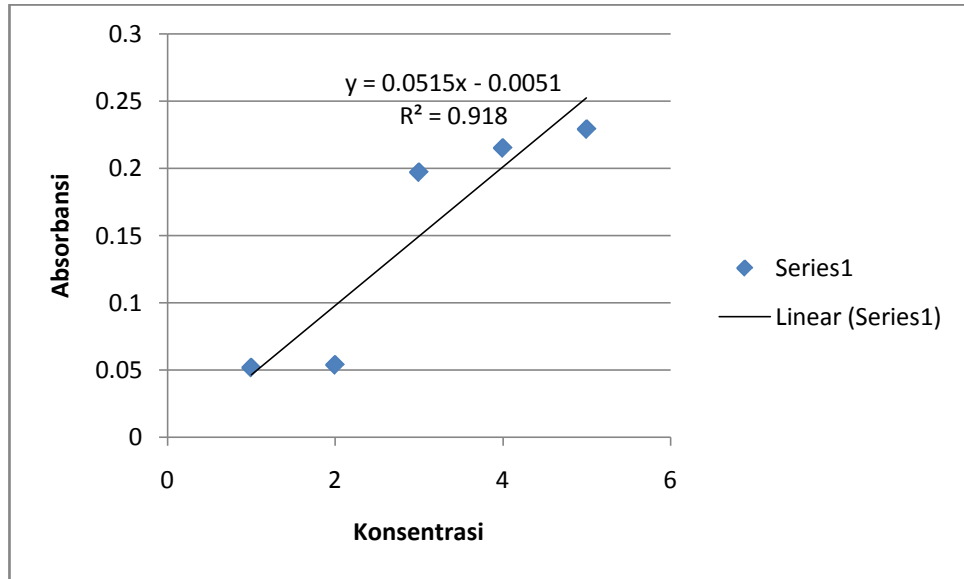
- Pranata, Ayub, S. 2010. *Meningkatkan Hasil Panen dengan Pupuk Organik*. Jakarta: Agromedia.
- Priangga, R, Suwarno and Hidayat, N. 2013. Pengaruh level pupuk organik cair terhadap produksi bahan kering dan imbangannya daun-batang rumput gajah defoliasi keempat. *Jurnal Ilmiah Peternakan*. Universitas Jenderal Soedirman, Purwokerto. 1(1):365-373.
- Radoukova, T. 2009. Anatomical mutability of the leaf epidermis in two species of *Fraxinus* L in a region with transport pollution. *Biotechnol & Biotechnol*. 23: 405-409.
- Rahmatika, W. 2010. Pertumbuhan Tanaman Padi (*Oryza sativa*.L) Akibat Pengaruh Persentase N (Azolla dan urea). *Makalah Seminar Departemen Agronomi dan Hortikultura*. IPB. Hal 84 – 88.
- Rohcmah, H. F. dan Sugiyanta. 2010.. Pengaruh pupuk organik dan anorganik terhadap pertumbuhan dan hasil padi sawah (*Oryza sativa* L.). *Makalah Seminar Departemen Agronomi dan Hortikultura IPB*. 3(2):307-314
- Rosita, Darwati, I and Yuliani, S. 2006. Pengaruh paklobutrazol terhadap pertumbuhan dan produksi kencur. *Balai Penelitian Tanaman Rempah dan Obat*. 3 (2): 27-28
- Runtuwu, Samuel D, Mamarimbing, R., Tumewu, P., and Sondakh, T. 2011. The Concentration of Paclobutrazol on Growth of Seedling Cloves Height (*Syzygium aromaticum*). *Jurusan Ilmu Tanah*. Fakultas Pertanian Unsrat.
- Ruzin, S. 1999. *Plant microtechnique & microscopy*. Oxford university press, inc.
- Sakakibara, H. 2006. Interactions between nitrogen and cytokinin in the regulation of metabolism and development. *Trends Plant Sci*. 11(6): 440–448
- Santiasrini, R. 2009. Pengaruh paclobutrazol terhadap pertumbuhan dan Pembungaan Gloksinia (*Sinningia speciosa* Pink). *Skripsi*. Program Studi Hortikultura, Fakultas Pertanian, Institut Pertanian Bogor.
- Sarch, R., Alang, C., Bretz, F., and Roach, J. 2008. Shoot Histogenesis: sub apical meristematic activity in a caulescent plant and the action of GA Acid. *Am. J. Bot.* 4(70): 260-266.
- Sasmita, E. (2008). Aplikasi pupuk organik cair terhadap kajian struktur anatomi tanaman mawar (*Rosa sp*). *Eugenia*, 15(1):213-218.

- Seon, M., Koh, E., Wo, M., Piau, R., Oh, C., and Jong, H. 2012. Tiller formation in rice altered by overexpression of OsIAGLU gen encoding IAA-conjugating enzim or exogenes treatment of free IAA. *J. Plant Biol.* 55: 5429-5435.
- Setyaningrum, T. And Wahyurini, E. 2003. *Induksi Pembungan Melati Putih (Jasminem sambac Ait) Pada Berbagai Konsetrasi Paclobutrazol dan Diameter Pot.* Staff pengajar. Jurusan agronomi fakultas pertanian UGM.
- Setyono, A., A. Guswara, E.S. Noor, D.D. Handoko. 2007. Evaluasi kadar protein beras giling hasil panen dari berbagai dosis aplikasi urea. Apresiasi Hasil Penelitian Padi 2007. <http://www.litbang.deptan.go.id> [21 april 2015].
- Silverman, F. Assiamah, A.A and Bush, D.S. 2008. Membran transport and cytokininaction in root hair of *Medicago sativa*. *Planta.* 205:23-31.
- Silvina, F dan Syafrinal (2008). Penggunaan berbagai medium tanam dan konsentrasi pupuk organik cair pada pertumbuhan dan produksi mentimun jepang (*Cucumis sativus*) secara hidroponik. *Sagu.* 7(1):7-12
- Sinniah, U. A. Wahyuni, S.Syahputra, B.S.A. and Gantait, S., 2012. Aplication potensial retardant for lodging resistance in derecht seeded rice (*Oryza sativa .L*). *Can. J. plant. Sci.* 92:13-18.
- Siregar, H. 1981. Budidaya tanaman padi di Indonesia. Sastra Hudaya. Jakarta. 320 p
- Starman, T. J. and M. S. William. 2000. Growth retardants effect growth and flowering *Scaevola*. *HortSci.* 35:36-38
- Street, J. E., Jordan, J. H., Ebelhar M. W., and Boykin, D. L. (1986). Plant height and yield responses of rice to paclobutrazol. *Plant Physiology.* 78 (2): 288-291
- Sudarmadji, Bambang Haryono, Suhardi, 1997, *Prosedur Analisis Untuk Bahan Makanan Dan Pertanian*, Edisi 4, Liberty, Yogyakarta
- Suardi, D. and Ridwan, I. 2009. Potensi beras hitam lokal Indonesia. *Warta Penelitian Dan Pengembangan Pertanian.* 32(4): 9-10.
- Suhartini, T. and Suardi, D. 2010. Potensi beras hitam lokal Indonesia. *Warta Penelitian Dan Pengembangan Pertanian.* 32(4): 9-10.
- Suhardjo, L., Harper, J., Brady J., and Deaton. 1985. Pangan Gizi dan Pertanian. Jakarta: Universitas Indonesia.

- Supartha, I. Y., Wijayana, G., and Adnyana, M. G. 2012. Aplikasi jenis pupuk organik pada tanaman padi system pertanian organik. *Agroteknologi Tropika*. 1(2):2301-6215.
- Sutharut, J. and Sudarat, J.2012. Total anthocyanin content and antioxidant activity of germinated colored rice. *J. International Food Research*.19(1): 215-221
- Suwarno, A.B. Surono, dan Z. Harahap. 1999. Hubungan antara kadar amilosa beras dengan rasa nasi. *Penelitian Pertanian*. 2(1): 33-35
- Suyamto and Sumarno. 2010. Direct and residual effect of potassium fertilizer in rice-maize cropping rotation on Vertisol. Indonesia. *J. Crop Sci*. 8(2): 29-38.
- Suyamto. 2010. Strategi dan implementasi pemupukan rasional spesifik lokasi. *Pengembangan Inovasi Pertanian*. 3(4): 306-318.
- Taiz, L. and E. Zeger. 2002. *Plant physiology*, 3<sup>rd</sup> ed. Sinauer Associates Massachusset.
- Tekalign, T. and P.S. Hammes. 2005. Growth responses of potato grown in a hot topical lowland to applied paclobutrazol: 1.shoot attributes, assimilates production and allocation. *J. of Crop and Holticultural Science*. 33:35-42.
- Tjitrosoepomo, G. 2010. *Taksonomi Tumbuhan Spermathophyta*. Yogyakarta: UGM.
- Tsagaw, T. Hammes. S., and Roberts. (2005). Paclobutrazol-induced-leaf, stem, and and root anatomical modification in potato. *Plant Production and Science*. 40(5): 1345-1346.
- Tumewu, P., Supit, Bawotong, R., Tarore, dan Tumbelaka, S. 2012. Pemupukan urea dan paclobutrazol terhadap pertumbuhan tanaman jagung manis (*Zea Mays Sachharata Sturt*). *Euginia*. 18 (1) : 39-48.
- Tustiyani, I., Sugiyanta, dan Melati, M. 2014. Karakter morfofisiologi dan fisikokimia beras dengan berbagai dosis pemupukan organik dan hayati pada budidaya padi organik. *J. Agron. Indonesia*. 42 (3) : 187 – 194.
- Van der Mescht, A., J. A. de Ronde, F.T. Rossouw. 1999. Chlorophyll fluorescence and chlorophyll content as a measure of drought tolerance in Potato. *South African J. of Science* 95:407-412.

- Wahyuni, S. Sinniah, and Amarthalingan, M. 2012. Effect of paclobutrazol and rohexadione calcium on growth, lodging resistance and yield of seed Rice. *Pusat Penelitian dan Pengembangan, Departemen pertanian*.
- Wang W, Guo W, Fang M, Zhu X, Peng, Y. 2003. Endosperm cell proliferation and grain filling dynamics in wheat. *Acta Agron Sin.* 29: 779–784.
- Warner, R. M. and Erwin, J. E. 2003. Effect of plant growth retardant on stem elongation of hibiscus species. *Hort Technology.* 13(2):293-296
- Wattimena, G. A. 201. *Zat Pengatur Tumbuh : Peran Fisiologis dan Dasar-dasar Pertumbuhan Tanaman.* Fakultas Pertanian: IPB. 145
- Weaver R. J. 2001. Plant Growth Substances in Agriculture. *W. H. Freeman and Co. San Francisco.* 549
- Weichert, N., Salbach, I., Kohl, S., Erban, A., Kopka, J., and Hause, B. 2005. Increasing sucrose uptake capacity of wheat grains stimulates storage protein synthesis. *Molecular physiology of legume.* 56(3): 253–279.
- Wettstein, D. V., Simon, G. and C. Gamini .2001. Chorophyll Biosynthesis. *The Plant Cell* 7(4): 1039-1057
- Widaryanto, E. Baskara, M dan Suryanto, A. 2011. Aplikasi Paclobutrazol Pada Tanaman Bunga Matahari (*Helianthus annuus* L. Cv. *Teddy Bear*) sebagai upaya untuk Menciptakan Tanaman Hias pot. *Makalah Seminar Hortikultura Perhimpunan.* 23-24 November 2011 Fakultas Pertanian Universitas Brawijaya
- Winarso. A., Iswanto dan H. Winarno. 1997. Kajian penggunaan teganganosmotik dan kerapatan stomata sebagai kriteria seleksi klon kakao tahancekaman air. *Pelita Perkebunan.* 13 (2): 63-70
- Yang J, Zhang J, Wang Z, Zhu Q, and Wang W. 2006. Hormonal changes in the grains of rice subjected to water stress during grain filling. *Plant Physiol* 127: 315–323
- Yang, D., Luo, Y., Ni, Y., Yin, Y., Weibing, Y., Peng, D., Cui, Z., dan Wang Z. 2013. Effect of exogenous abscisic acid and gibberelins on filling process and nitrogen metabolism characteristic in wheat grains. *Australian J. of Crop Science.* 7(1): 58-65.
- Yang, D., Luo, Y., Ni, Y., Yin, Y., Weibing, Y., Peng, D., Cui, Z., dan Wang Z. 2014. Effects of exogenous ABA application on post-anthesis dry matter redistribution and grain starch accumulation of winter wheat with different staygreen characteristics. *J. The Crop.* 2: 44-153.

- Yelnititis dan N, Bermawie, 2001. Konservasi tanaman lada (*Piper nigrum* L.) secara *In vitro*. *Jurnal Littri*. 7(3): 123-134
- Yoshida, S. 1981. *Fundamental of rice crop science*. International rice research institute. Los Banos, Philipines
- Yoshida, J.C. and Gomez.(1976). *Laboratory Manual for Physiological Studies of Rice*. Irri. Los banos, philipine. 46-49
- Yoshida, S. 1981. *Fundamental of rice crop science*. *International rice research institute*. Los Banos, Philipines.
- Yudiwanti, Wirawan, B., dan Wirnas, D. 2007. Korelasi antara kandungan klorofil dan ketahanan kacang tanah. *Agronomi dan Hortikultural*. 2(4): 316– 319.
- Zhang. H., T. Chen, Z. Wang, and J. Zhang. 2010. Involvement of cytokinin in the grain filling of Rice under alternate wetting and drying irrigation. *J Exp Bot*. 61(13):3719-3733.



Gambar 3: Kurva standar kandungan thiamin hidroklorida (Vitamin B1) pada padi hitam (*Oryza sativa* L. "Cempo ireng")