

DAFTAR PUSTAKA

- Aguilar, G. A. G., Ochoa, M. A. V., Tellez, M. A. M., A., G. A., & Zavala, J. F. A. (2007). Improving Antioxidant Capacity of Fresh-Cut Mangoes Treated with UV-C. *Sensory and Nutrive Qualities of Food*, 72(3), 197–202.
- Aisyah, S., Gruppen, H., Madzora, B., & Vincken, J. (2013). Modulation of Isoflavonoid Composition of *Rhizopus oryzae* Elicited Soybean (*Glycine max*) Seedlings by Light and Wounding. *Journal of Agricultural and Food Chemistry*, 61, 8657–8667.
- Aminah, S. (2010). Potensi Campuran Kecambah Beras Coklat dan Kecambah Kedelai Sebagai Minuman Fungsional Tinggi Serat dan Protein (Potential for Mixed Brown Rice Sprouts and Soybean Sprouts as Fuctional Beverage High Fiber and Protein). *Jurnal Pangan Dan Gizi*, 1(2), 27–32.
- Aribawa, I. A. (2012). Pengaruh Sistem Tanam Terhadap Peningkatan Produktivitas Padi di Lahan Sawah Dataran Tinggi Beriklim Basah. In *Seminar Nasional: Kedaulatan Pangan dan Energi*. Madura: Fakultas Pertanian Unversitas Trunojoyo Madura.
- Badan Pusat Statistik. (2015). *Konsumsi Rata - Rata per Kapita Seminggu Beberapa Macam Bahan Makanan Penting , 2007-2014*.
- Blois, M. S. (1958). Antioxidant Determinations by The Use of A Stable Free Radical. *Nature Publishing Group*, 181(4617), 1199–1200.
- Cho, M., & Lee, S. (2015). Phenolic Phytoalexins in Rice : Biological Functions and Biosynthesis. *International Journal of Molecular Sciences*, 16(October), 29120–29133.
- Damayanthi, E. (2002). *Karakteristik Bekatul Padi (Oryza sativa) Awet serta Aktivitas Antioksidan dan Penghambatan Proliferasi Sel Kanker Secara In Vitro dari Minyak dan Fraksinya*. Bogor.

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- Diffey, B. L. (2002). Sources and measurement of ultraviolet radiation, 28, 4–13.
- Fessenden, R. J., & Fessenden, J. S. (1886). *Kimia Organik Jilid 1*. (A. H. Pudjaatmaka, Ed.) (3rd ed.). Jakarta: Penerbit Erlangga.
- Goufo, P., & Trindade, H. (2014). Rice antioxidants: phenolic acids, flavonoids, anthocyanins, proanthocyanidins, tocopherols, tocotrienols, c-oryzanol, and phytic acid. *Food Science & Nutrition*, 2(2000), 75–104.
- Hari, R. K., Patel, T. R., & Martin, A. M. (1994). An overview of pigment production in biological systems : Functions , biosynthesis , and applications in food industry. *Food Reviews International*, 10(1), 49–70.
- Horie, K., Inoue, Y., Sakai, M., Yao, Q., Tanimoto, Y., Koga, J., ... Hasegawa, M. (2015). Identification of UV-Induced Diterpenes Including a New Diterpene. *Journal of Agricultural and Food Chemistry*.
- Inoue, Y., Sakai, M., Yao, Q., Tanimoto, Y., Toshima, H., & Hasegawa, M. (2013). Identification of a Novel CasbaneType Diterpene Phytoalexin, ent10Oxodepressin, from Rice Leaves. *Biosci. Biotechnol. Biochem.*
- Kato, H., Kodama, O., & Akatsuka, T. (1993). Oryzalexin E, a Diterpene Phytoalexin From UV-Irradiated Rice Leaves. *Phytochemistry*, 33(1), 79–81.
- Kato, H., Osamu, K., & Tadami, A. (1994). Oryzalexin F , A Diterpene Phytoalexin Rice Leaves from UV-Irradiated Rice Leaves. *PHYTOCHEMISTRY*, 36(2), 299–301.
- Kodama, O., Miyakawa, J., Akatsuka, T., & Kiosawa, S. (1992). Sakuranetin, a Flavanone Phytoalexin From Ultraviolet-Irradiated Rice Leaves. *Phytochemistry*, 31(11), 3807–3809.
- Lee, S.-C., Kim, J.-H., Jeong, S.-M., Kim, D.-R., Ha, J.-U., Nam, K. C., & Ahn, D. U. (2003). Effect of Far-Infrared Radiation on the Antioxidant Activity of Rice Hulls. *Journal of Agricultural and Food Chemistry*, 51, 4400–4403.
- Molyneux, P. (2004). The Use of The Stable Free Radical Diphenylpicryl-
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- hydrazyl (DPPH) for Estimating Antioxidant Activity. *Journal of Science and Technology*, 26(2), 211–219.
- Moongngarm, A., & Saetung, N. (2010). Comparison of chemical compositions and bioactive compounds of germinated rough rice and brown rice. *Food Chemistry*, 122(3), 782–788.
- Musarofah. (2015). *Tumbuhan Antioksidan*. (P. Latifah, Ed.). Bandung: PT Remaja Rosdakarya.
- Nauli, T. (2002). Memperkirakan Rumus Kimia Senyawa Organik dari Data Spektrometri Massa. In *Prosiding Pertemuan dan Presentasi Ilmiah Penelitian Dasar Ilmu Pengetahuan dan Teknologi Nuklir P3TM-BATAN* (pp. 10–17). Yogyakarta.
- Nigro, A. F., Ippolito, A., Lattanzio, V., Venere, D. Di, & Salerno, M. (2000). Effect of Ultraviolet-C Light on Postharvest Decay of Strawberry. *Journal of Plant Pathology*, 82(1), 29–37.
- Noue, Y. I., Akai, M. S., Ao, Q. Y., Animoto, Y. T., Oshima, H. T., Asegawa, M. H., & Agriculture, C. (2013). Identification of a Novel Casbane-Type Diterpene Phytoalexin , ent -10-Oxodepressin , from Rice Leaves, 77(4), 760–765.
- Papoutsis, K., Vuong, Q. V, Pristijono, P., Golding, J. B., Bowyer, M. C., Scarlett, C. J., & Stathopoulos, C. E. (2016). Enhancing the Total Phenolic Content and Antioxidants of Lemon Pomace Aqueous Extracts by Applying UV-C Irradiation to the Dried Powder. *Foods MDPI*, 5(55).
- Park, H. L., Yoo, Y., Hahn, T., Bhoo, S. H., Lee, S., & Cho, M. (2014). Antimicrobial Activity of UV-Induced Phenylamides from Rice Leaves, 18139–18151.
- Sharma, S., Saxena, D. C., & Riar, C. S. (2016). Analysing the effect of germination on phenolics , dietary fi bres , minerals and γ -amino butyric acid contents of barnyard millet. *Food Bioscience*, 13, 60–68.

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PENGARUH IRADIASI SINAR UV C TERHADAP PROFIL METABOLIT SEKUNDER DAN AKTIVITAS ANTIOKSIDAN BERAS YANG DI KECAMBAHAKAN

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- Silverstein, R. M., Webster, F. X., & Kiemle, D. J. (2005). *Spectrometric Identification of Organic Compounds*. (D. Brennan, J. Yee, S. W. Robichaud, & S. Rigby, Eds.) (7th ed.). Hoboken, USA: John Wiley & Sons, Inc.
- Soerjandoko, R. N. E. (2010). Teknik Pengujian Mutu Beras Skala Laboratorium. *Buletin Teknik Pertanian*, 15(2), 44–47.
- Supramudho, G. N. (2008). *Efisiensi Serapan Serta Hasil Tanaman Padi (Oryza sativa L.) pada Berbagai Imbangan Pupuk Kandang Puyuh dan Pupuk Anorganik di Lahan Sawah Palur Sukoharjo*. Universitas Sebelas Maret.
- Ti, H., Zhang, R., Zhang, M., Li, Q., Wei, Z., Zhang, Y., ... Ma, Y. (2014). Dynamic changes in the free and bound phenolic compounds and antioxidant activity of brown rice at different germination stages. *FOOD CHEMISTRY*, 161, 337–344.
- Tian, S., Nakamura, K., & Kayahara, H. (2004). Analysis of Phenolic Compounds in White Rice , Brown Rice , and Germinated Brown Rice. *Journal of Agricultural and Food Chemistry*, 52, 4808–4813.
- Widowati, S. (2000). Pemanfaatan Hasil Samping Penggilingan Padi dalam Menunjang Sistem Agroindustri di Pedesaan. *Buletin AgroBio*, 4(1), 33–38.
- Widyastuti, N. (2010). *Pengukuran Aktivitas Antioksidan dengan Metode CUPRAC, DPPH, dan Frap serta Korelasinya dengan Fenol dan Flavonoid pada Enam Tanaman*. Bogor.
- Zhu, F., Cai, Y., Bao, J., & Corke, H. (2010). Effect of gamma irradiation on phenolic compounds in rice grain. *Food Chemistry*, 120(1), 74–77.