



REFERENCES

- ศิ ว. พร. แ Deng ใจติ, & 2522-. การ บริโภค ข้าว ที่ มี คุณค่า ทาง โภชนาการ สูง ของ แต่ละ กลุ่ม วัย: กรณี ศึกษา ผู้ บริโภค ใน เขต กรุงเทพมหานคร (Doctoral dissertation, มหาวิทยาลัย สุโขทัย ธร ร มา ธิ ราช).
- 'Afifah, H. (2023). Pengaruh Penambahan Tepung Bekatul Beras Putih dan Tepung Kulit Buah Naga Terhadap Kandungan Kadar Air, Kekerasan dan Sensoris Crackers. Lampung: Universitas Lampung.
- Akhyar. (2009). Pengaruh Proses Pratanak Terhadap Mutu Gizi dan Indeks Glikemik Berbagai Varietas Beras Indonesia. Bogor: Sekolah Pascasarjana, Institut Pertanian Bogor.
- Amigo, L.; Hernández-Ledesma, B. Current Evidence on the Bioavailability of Food Bioactive Peptides. *Molecules* 2020, 25, 4479.
- Amarowicz, R., Shahidi, F., & Pegg, R. B. (2009). Bioactive peptides from plant-based sources. *Plant Foods for Human Nutrition*, 64(3), 240-250.
- Brouns, F., Bjorc, I., K. N., Gibbs, A. L., Lang, V., Slama, G., & Wolever, T. M. (2005). Glycaemic index methodology. *Nutrition Research Review*, 145-171.
- Budiyanto, M. (2002). Gizi dan Kesehatan. Malang: Bayu Media dan UMM Press.
- Caprita, R., & Caprita, A. (2011). Chemical Methods for the Determination of Soluble and Insoluble Non-Starch Polysaccharides -Review. *Animal Science and Biotechnologies*, 73-80.
- Changsri, R., Sudtasarn, G., Khongsuwan, P., Rakchum, P., Suriyaarunroj, D., Chuenban, T., & Wongboon, W. (2016). Factors affecting the quality of Thai Hom Mali rice. *Thai Rice Research Journal*, 20-44.
- Charunuch, C., Limsangouan, N., Prasert, W., & Wongkrajang, K. (2014). Optimization of extrusion conditions for ready-to-eat breakfast cereal enhanced with defatted rice bran. *International Food Research Journal*, 713-722.
- Chandi, G. K., & Sogi, D. S. (2007). Functional properties of rice bran protein concentrates. *Journal of Food Engineering*, 79(2), 592-597.
- Chaudary, R. C. (2003). Speciality rices of the world: Effect of WTO and IPR on its Production Trend and Marketing. *Journal of Food Agricultural and Environment*, 34-41.
- Colombo, R., Moretto, G., Barberis, M., Frosi, I., & Papetti, A. (2023). Rice Byproduct Compounds: From Green Extraction to Antioxidant Properties. *Antioxidant Review*, 35.
- Deng, G. F., Xu, X. R., Zhang, Y., Li, D., Gan, R. Y., & Li, H. B. (2013). Phenolic compounds and bioactivities of pigmented rice. *Critical reviews in food science and nutrition*, 53(3), 296-306.
- Devi, R., Veliveli, V. L., & Devi, S. S. (2021). Nutritional composition of rice bran and its potentials in the development of nutraceuticals rich products. *Journal of Pharmacohnosy and Phytochemistry*, 470-473.



- Dewi, C., Purwoko, T., & Pangastuti, A. (2005). Production of reducing sugar from rice brans substrate by using Rhizopus oryzae. *Asian Journal of Tropical Biotechnology*, 21-26.
- Diana, N. (2016). Pengaruh Waktu Perebusan Terhadap Kandungan Proksimat, Mineral, dan Kadar Gosipol Tepung Biji Kapas. *Jurnal Penelitian Pascapanen Pertanian*, 100-107.
- Dixit, Y., Kanojiya, K., Bhingardeve, N., Ahire, J. J., & Saroj, D. (2024). In vitro human gastrointestinal tract simulation systems: a panoramic review. *Probiotics and Antimicrobial Proteins*, 16(2), 501-518.
- FAOSTAT. (2009). FAO Statistics Yearbook 2009. Food and Agricultural Organization.
- Fernandes, J.-M., Madalena, D. A., Vicente, A. A., & Pinheiro, A. C. (2020). Influence of the addition of different ingredients on the bioaccessibility of glucose released from rice during dynamic in vitro gastrointestinal digestion. *International Journal of Food Sciences and Nutrition*.
- Gul, K., Yousuf, B., Singh, A., Singh, P., & Wani, A. A. (2015). Rice bran: Nutritional values and its emerging potential for development of functional food—A review. *Bioactive Carbohydrates and Dietary Fibre*, 24-30.
- HC, C. (2002). The effects of oryzanol on bone mineral density in ovariectomized, retired. Louisiana: Louisiana State University.
- Hoer, M. A. (2021). Analisis Kandungan Serat Pangan (Dietary Fiber) dan Iodium Mie Basah Rumput Laur di UKM Sri Tanjung dan UKM Tiga Putra. Malang: Universitas Brawijaya.
- Hur, S. J., Lee, S. J., Kim, D. H., Chun, S. C., & Lee, S. K. (2013). Onion extract structural changes during in vitro digestion and its potential antioxidant effect on brain lipids obtained from low- and high-fat-fed mice. *Free Radical Research*, 1009-1015.
- Hurtada, W. A., Barrion, A. S. A., & Nguyen-Orca, M. F. R. (2018). Mineral content of dehulled and well-milled pigmented and non-pigmented rice varieties in the Philippines. *International Food Research Journal*, 25(5).
- Itani, T., & Ogawa, M. (2004). History and recent trends of red rice in Japan. *Japanese Jurnal of Crop Science*, 137-147.
- Juliano, B. O. (1993). Rice in human nutrition. International Rice Research Institute.
- Jung, T. D., Shin, G. H., Kim, J. M., Choi, S. I., Lee, J. H., Lee, S. J., ... & Lee, O. H. (2017). Comparative analysis of γ -oryzanol, β -glucan, total phenolic content and antioxidant activity in fermented rice bran of different varieties. *Nutrients*, 9(6), 571.
- Keilin D., Hartree E.F.: Biochem J 42:230, 1948 4. Keston AS: Abstr 129th Meeting, Am Chem Soc, 1956, p 31c.
- Kosik, O., Romero, M. V., Bandonill, E. H., Abilgos-Ramos, R. G., Sreenivasulu, N., Shewry, P., & Lovegrove, A. (2020). Diversity of content and composition of cell wall-derived dietary fibre in polished rice . *Journal of Cereal Science*.
- Kusharto. (2006). Serat Makanan dan Peranannya Bagi Kesehatan. *Jurnal Gizi dan*

Pangan, 45-54.

- Lai, V. M., Lu, S., He, W. H., & Chen, H. H. (2007). Non-starch polysaccharide compositions of rice grains with respect to rice variety and degree of milling. *Food Chemistry*, 1205-1210.
- Lamberts, L., Bie, E. D., Vandepitte, G. E., Veraverbeke, W. S., Derycke, V., Man, W. D., & Delcour, J. A. (2007). Effect of milling on colour and nutritional properties of rice. *Food Chemistry*, 1496-1503.
- Lemos, M., & Souza-Soares, L. (2000). Rice and its byproducts in southern Brazil. *Vetor: Revista de Ciencias Exatas e Engenharias*, 21-36.
- Lin, J., Liu, C., Bai, R., Pang, J., Li, J., Zhang, C., ... & Hu, S. (2023). The application of in-vitro static digestive models simulating the digestion system of infants and young children for the development of accessory food: Current status and future perspective. *Trends in Food Science & Technology*, 104306.
- Marcano, J., Hernando, I., & Fiszman, S. (2015). In vitro measurements of intragastric rheological properties and their relationships with the potential satiating capacity of cheese pies with konjac glucomannan. *Food Hydrocolloids*, 16-22.
- Minekus, M., Alminger, M., Alvito, P., Ballance, S., Bohn, T., Bourlieu, C., ... Macie, A. (2014). A standardised static in vitro digestion method suitable for food – an international consensus. *Food and Function*, 1113-1124.
- Noree, S., Tongdang, C., Sujarit, K., Chamdit, S., Thongpool, V., Trakarnpaiboon, S., ... & Lomthong, T. (2021)
- Phuwadolpaisarn, P. (2021). Comparison of β -glucan content in milled rice, rice husk and rice bran from rice cultivars grown in different locations of Thailand and the relationship between β -glucan and amylose contents. *Molecules*, 26(21), 6368.
- Ponglong, J., Senggunploi, L., Tungsutjarit, P., Changsri, R., Proongkhong, T., & Pannangpatch, P. (2019). Ethanolic extract of tubtim-chumphae rice bran decreases insulin resistance and intrahepatic fat accumulation in high-fat-high-fructose diet fed rats. *Asian Journal of Pharmaceutical and Clinical Research*, 506-511.
- Ponglong, J., Senggunploi, L., Tungsutjarit, P., Changsri, R., Proongkhong, T., Thawornchinsombut, S., & Pannangpatch, P. (2018). Hydrolysate and ethanolic extract of Tubtim-Chumphae Rice bran improve insulin resistance in high fat-high fructose diet fed rats. . *Srinagarind Medical Journal-ศรีนคินทร์ เวช สาร*, 59.
- Prasantha, B. D. (2018). Glycemic index of four traditional red pigmented rice. *Integrative Food, Nutrition and Metabolism*, 1-3.
- Puspita, D., Harini, N., & Winarsih, S. (2021). Karakteristik kimia dan Organoleptik Biskuit dengan Penambahan Tepung Kacang Kedelai (*Glycin max*) dan Tepung Kulit Buah Naga Merah. *Food Technology and Halal Science Journal*, 52-65.
- Qureshi, A. A., Sami, S. A., & Khan, F. A. (2002). Effects of stabilized rice bran, its



soluble and fiber fractions on blood glucose levels and serum lipid parameters in humans with diabetes mellitus Types I and II. *The Journal of nutritional biochemistry*, 175-187.

- Rebeira, S., Prasantha, B., Jayatilake, D., Dunuwila, G., Piyasiri, C., & Herath, H. (2022). A comparative study of dietary fiber content, In vitro starch digestibility and cooking quality characteristics of pigmented and non-pigmented traditional and improved rice (*Oryza sativa L.*). *Food Research International*.
- Rittipun, R., Kaisangsri, N., & Srisukong, A. (2019). Antioxidant and Anti-wrinkle Activities of Tubtim Chumphae Rice Extract for Application in Facial Cosmetics. *Agricultural Science Journal*, 225-228.
- Rungruang, Rittipun, Peasura, Napassorn, Kaisangsri, & Nattapon. (2022). Phytochemical screening, quantitative analysis of cyanidin-3-O-glucoside content, and anticancer activity of novel rice bran (Tubtim Chumphae rice). *Journal of Advanced Pharmaceutical Technology & Research*, 312-316.
- Santoso, A. (2011). Serat Pangan (Dietary Fiber) dan Manfaatnya bagi Kesehatan. *Jurnal Magistra*, 35-40.
- Saunders, R. M. (1990). The properties of rice bran as a foodstuff. *Cereal Foods World*, 35(7), 632-636.
- Saputro, P., & Estiasih. (2015). Pengaruh Polisakarida Larut Air dan Serat Pangan Umbi-Umbian Terhadap Glukosa Darah. *Jurnal Pangan dan Agroindustri*, 756-762.
- Sapwarabol, S., Saphyakhajorn, W., & Astina, J. (2021). Biological functions and activities of rice bran as a functional ingredient: A review. *Nutrition and metabolic insights*, 14, 11786388211058559.
- Savitha, Y., & Singh, V. (2011). Status of dietary fiber contents in pigmented and non-pigmented rice varieties before and after parboiling. *LWT-Food Science and Technology*, 2180-2184.
- Sharif, M. K., Butt, M. S., Anjum, F. M., & Khan, S. H. (2014). Rice bran: a novel functional ingredient. *Critical reviews in food science and nutrition*, 807-816.
- Singh, S. P., Vanlalsanga, Mehta, S. K., & Singh, Y. T. (2022). New insight into the pigmented rice of northeast India revealed high antioxidant and mineral compositions for better human health. *Heliyon*, 8(8), e10464. <https://doi.org/10.1016/j.heliyon.2022.e10464>
- Sompong, R., Siebenhandl-Ehn, & Linsberger-Martin, G. (2011). Physicochemical and antioxidative properties of red and black rice varieties from Thailand, China and Sri Lanka. *Food Chemistry*, 132-140.
- Sulistijani, D. (2005). Sehat Dengan Menu Berserat. Jakarta: Tribus Agriwidya.
- Sunarti. (2018). Serat Pangan dalam Penganganan Sindrom Metabolik. Yogyakarta: UGM Press.
- Susilowati, E. (2010). Kajian Aktivitas Antioksidan, Serat Pangan, dan Kadar Amilosa pada Nasi yang disubstitusi dengan Ubi Jalar (*Ipomea batatas L.*) sebagai Bahan Makanan Pokok. Surakarta: UNS.
- Sangwongchai, W., Tananuwong, K., Krusong, K., & Thitisaksakul, M. (2021). Yield,

grain quality, and starch physicochemical properties of 2 elite Thai rice cultivars grown under varying production systems and soil characteristics. *Foods*, 10(11), 2601.

Tang, G., Hu, Y., Yin, S.-A., Wang, Y., Dallal, G. E., Grusak, M. A., & Russell, R. M. (2009). β -Carotene in Golden Rice is as good as β -carotene in oil at providing vitamin A to children. *American Journal of Clinical Nutrition*, 89(6), 1776-1783.

Taratima, W., Plaikhuntod, K., Wichachai, C., & Maneerattanarungroj, P. (2022). Optimization of Rice (*Oryza sativa L.*) 'Tubtim Chumphae', for Callus Induction, Proliferation and Plantlet Regeneration. *Asian Journal of Plant Sciences*, 727-734.

Vinay, B. J., & Kanya, T. S. (2008). Effect of detoxification on the functional and nutritional quality of proteins of karanja seed meal. *Food chemistry*, 106(1), 77-84.

Wanyo, P., Chamsai, T., Toontom, N., Nghiep, L. K., & Tudpor, K. (2024). Differential Effects of In Vitro Simulated Digestion on Antioxidant Activity and Bioaccessibility of Phenolic Compounds in Purple Rice Bran Extracts. *Molecules*, 29(13), 2994.

Wu, Q., Zhang, M., Hu, H., Tu, Y., Gao, P., Li, T., . . . Wang, L. (2024). Comparative study on chemical composition, functional properties of dietary fibers prepared from four China cereal brans. *International Journal of Biological Macromolecules*.

Zhimin, X., McClements, D. J., & Decker, E. A. (2002). Lipid oxidation in rice bran protein stabilized oil-in-water emulsions. *Journal of Agricultural and Food Chemistry*, 50(12), 3965-3970.