

เอกสารอ้างอิง

- งามชื่น คงเสรี. 2545. คุณภาพข้าวและการตรวจสอบข้าวปนในข้าวหอมมะลิไทย. จีรวัฒน์ เอ็กซ์เพรส, กรุงเทพฯ. 114 น.
- สำนักเศรษฐกิจการเกษตร URL:<http://www.oae.go.th/oae/procure.php>
- AOAC. 1995. Association of Official Analytical Chemists Official Methods of Analysis, 16thed. The Association: Washington, DC.
- Banjong, K. 1986. A back extrusion test for evaluation cooked rice texture. Thesis No. AE-86-20, Asian Institute of Technology, Pathumthani, Thailand.
- Biliadaris, C.G., Tonogai, J.R., Perez, C.M., and Juliano, B.O. 1993. Thermophysical properties of milled rice starch as influenced by variety and parboiling method. *Cereal Chemistry*, 70:512-516.
- Harbert, P., Barros, P., Ratola, N., and Alves, A. 2000. HPLC Determination of Amino Acids in Musts and port wine using OPA/FMOC derivatives. *Food Chemistry and Toxicology*, 65(7):1130-1133.
- Heinio, K.M., Oksama-Caldentey, K., Latva-Kala, P., Lehtinen and Poutanen, K. 2001. Effect of drying treatment conditions on sensory profile of germinated oat. *Cereal Chemistry*, 78:707-714.
- Jaisut, D., Orachayawarakorn, S., Varayanond, W., Tungtrakul, P., and Soponronnarit, S. 2008. Effects of drying temperature and tempering time on starch digestibility of brown fragrant rice. *Journal of Food Engineering*, 86:251-258.
- Juliano, B.O. 1982. An international survey of methods used for evaluation of cooking and eating qualities of milled rice. *International Rice Research Institute Paper Series, number 77. Manila, Philippines.*
- Juliano, B.O. 1985. International survey of rice grain quality. In: B.O. Juliano (ed.) Chemical aspects of rice grain quality. IRRI, Los Banos, Philippines, pp. 82-84.
- Kaur, K., Singh, N., 2000. Amylose-lipid complex formation during cooking of rice flour. *Food Chemistry*, 71:511-517.
- Kawabata, K., Tanaka, T., Murakami, T., Okada, T., Murai, H., Yamato, T., Hara, A., Shimizu, M., Yamada, Y., Masunaga, K., Kuno, T., Yoshimi, N., Sugie, S., and Mori, H. 1999. Dietary prevention of azoxymethane-induced colon carcinogenesis with rice germ in F344 rats. *Carcinogenesis*, 20(11):2109-2115.

- Kayahara, H. and Tsukahara, K. 2000. Flavor, health and nutritional quality of pre-germinated brown rice. International Chemical Congress of Pacific Basin Societies in Hawaii, December.
- Kehr J. (1994). Determination of GABA in microdialysis samples by microbore HPLC and fluorescence detection I application note no. 19J. CMA/Microdialysis AB, Stockholm. Lindefors N., Amberg G., and Ungerstedt U. (1989) Intracerebral
- Kihara, M., Okada, Y., Iimure, T., and Ito, K. 2007. Accumulation and degradation of two functional constituents, GABA and β -Glucan, and their varieties difference germinated barley grains. *Breeding Science*, 57:85-89.
- Kinefuchi, M., Sekiya, M., Tamazaki, A., and Yamamoto, K. 1999. Accumulation of GABA in brown rice by high pressure treatment. *Food Science Technology Research*, 46:323-328.
- Kitaoka, S., and Nakano, Y. 1959. Colorimetric determination of ω -amino acids. *The Journal of Biochemistry*, 66(1):87-94.
- Komatsuzaki, N., Tsukahara, K., Toyoshima, H., Suzuki, T., Shimizu, N., and Kimura, T., 2003. Effect of soaking and gaseous phase sprout processing on the GABA content of pre-germinated brown rice. *The American society of agricultural and biological engineer*. Paper number: 036073.
- Komatsuzaki, N., Tsukahara, K., Toyoshima, H., Suzuki, T., Shimizu, N., and Kimura, T., 2007. Effect of soaking and gaseous treatment GABA content in germinated brown rice. *Journal of Food Engineering*, 78:556-560.
- Lamberts, L., De Bie, E., Derycke, V., Veraverbeke, W.S., De Man, W., Delcour, J.A. 2006. Effect of processing conditions on color change of brown and milled parboiled rice. *Cereal Chemistry*, 83(1):80-85.
- Liu, Z., J., Gao, and J., Yu, 2006. Aflatoxins in stored maize and rice grains in Liaoning Province, China. *Journal of Stored Products Research* 42: 468-479
- Maeda, I., Kiribuchi, S., and Nakamura, M. 1987. Digestion of barley starch granules by the combined action of α - and β -amylases purified from barley and barley malt. *Agric. Biol. Chem.* 42:259-267.
- Oh, S.H., J.R., Soh, and Y.S., Cha, 2003. Germinated brown rice extract shows a nutraceutical effect in the recovery of chronic alcohol-related symptoms. *J. Med. Food*, 6: 115-121.
- Oh S.H., 2003. Stimulation of gamma- aminonutyric acid synthesis activity in brown rice by a chitosan/glutamic acid germination solution and calcium/calmodulin. *Journal of Biochemistry Mol. Biol.* 31, 36(3):319-25.

- Patterson, B.D., and Graham, D., 1987. Temperature and metabolism. *The Biochemistry of plants*, D.D. Davies. Ed., 12:153-199.
- Priestley, R.T. 1976. Studies on parboiled rice: Part I. Comparison of the characteristic of raw and parboiled rice. *Food Chemistry*, pp. 5-14.
- Reka, J., Szilveszter, G., Timea, G., and Andras, S. 2005. Relationship between NIR spectra and RVA Parameters during wheat germination. *Cereal Chemistry*, 82(5):488-493.
- Saikusa, T., Horino, T., and Mori, Y., 1994. Distribution of Free Amino Acids in the Rice Kernel Fractions and the Effect of Water Soaking on the Distribution. *Journal of Agricultural and Food Chemistry*, 42:1122-1126.
- Satake, T., T., Fukumori, H., Liu, M., Kawano, and Y., Sasaki, 2004. "The Effect of Soaking Conditions of Brown Rice on Formation of GABA Component", The Japanese Society of Agricultural Machinery, September, 2004. <URL:http://bipren.en.a.u-tokyo.ac.jp/JSAM/english/journal/abstracts/66_1Abstracts.html>
- Sasagawa, A., Naiki, Y., Nagashima, S., Yakura, M., Yamazaki, A., and Yamada, A. 2006. Process for producing brown rice with increased accumulation of GABA using high pressure treatment and properties of GABA- increased brown rice. *J. Appl. Glycosci.* 53:27-33.
- Shinmura, H., Nakagawa, K., Sasaki, C., Aoto, H., Onishi, M. 2007. Germinated brown rice. United State Patent Applibation Publication. No. US 2007/0190222 A1.
- Shoichi, I., 2004. Marketing of value-added rice products in Japan: Germinated brown rice and rice bread. FAO Rice Conference, February, 2004.
- Siriprapa S. 2006. A study of the properties of germinated brown rice and its products. AIT Dissertation no. FB-06-01. Asian Institute of Technology, Bangkok, Thailand.
- Taechapairoj, C., Prachayawarakorn, S., Soponronnarit, S., 2004. Characteristics of rice dried in superheated steam fluidized-bed. *Drying technology*, 22:719-743.
- Tsukahara, K., "Sprouted Brown rice", DOMER Co., Ltd., 2004.
<URL:<http://www.hatsuga.com/DOMER/english/index.html>>
- Urquhart, A.A., Altosaar, I., and Matlashewski, G.J. 1983. Localization of lipase activity in oat grains and milled oat fractions. *Cereal Chemistry*, 60:181-183.
- Varanyanond, W., Tungtrskul, P., Surojanametakul, V., Watanasiritham, L., and Luxiang, W. 2005. Effects of water soaking on gamma-aminibutyric acid (GABA) in germ of different Thai rice varieties. *Kasetsart Journal (Nat. Sci.)*, 39:411-415.
- Watanabe, M., Maeda, T., Tsukahara, K., Kayahara, H., and Morita, N., 2004. Application of Pregerminated Brown Rice for Breadmaking. *Cereal Chemistry*, 81(4):450-455.

- Yamada, C., Izumi, H., Hirano, J., Mizukuchi, A., Kise, M., Matsuda, T. and Kato, Y. 2005. Degradation of soluble proteins including some allergens in brown rice grains by endogenous proteolytic activity during germination and heat-processing. *Biosci. Biotechnol. Biochem.* 69(10):1877-1883.
- Yamakura, M., Haraguchi, K., Okadome, H., Suzuki, K., Tran, T.U., Horigane, A.K., Yoshida, M., Homma, S., Sasagawa, A., Yamazaki, A., and Ohtsubo, K. 2005. Effects of soaking and high pressure treatment on the qualities of cooked rice. *J. Appl. Glycosci.* 52:85-93.
- Zhang, H., H.Y., Yao, and Y.R., Jiang, 2002. Development of the health food enriched with gamma-aminobutyric acid (GABA). *Food Ferment. Ind.*, 28: 69-72.