

DAFTAR PUSTAKA

- Ahhmed, A. M., and M. Muguruma. (2010). A review of meat protein hydrolysates and hypertension. *Meat Science*, 86 (1), 110–8. doi:10.1016/j.meatsci.2017.09.06
- Anonim. 2010. Situs Peternakan. Tersedia pada: <http://www.situs-peternakan.com>. Diakses pada tanggal 12 Januari 2018, pukul 22.35 WIB.
- Arihara, K., Y. Nakashima, T. Mukai, S. Ishikawa, and M. Itoh, 2001. Peptide inhibitors for angiotensin I-converting enzyme from enzymatic hydrolysates of porcine skeletal muscle proteins. *Meat. Sci* 57: 319-324.
- Arihara, K, and M. Ohata. 2008. Bioactive compounds in meats. In Fidel Toldra (Ed). *Meat Biotechnology*. Springer, New York. pp. 231-233.
- Asadayanti, D.D., B.S. L. Jenie, H. D. Kusumaningrumi, dan N. Nurhidayat. 2010. Peningkatan kadar lovastatin angkak oleh monascus purpureus ko-kultur dengan endomycopsis burtonii. *Berita Biologi Jurnal Ilmu-ilmu Hayati* 10 (3), 313-321.
- Ashar, M. N and R. Chand. 2004. Fermented milk containing ACE inhibitory peptides reduces blood pressure in middle aged hypertensive subjects. *Milchwissenschaft* 59 : 363-366.
- Bachrudin, Z., Astuti, dan Y. S. Dewi. 2000. Isolasi dan Seleksi Mikroba Penghasil Laktat dan Aplikasinya pada Fermentasi Limbah Industri Tahu. *Pros. Sem. Nas. Industri Enzim dan Bioteknologi. Mikrobiologi Enzim dan Bioteknologi*.
- Belkaaloul, A., A. Checroun, A.I Abdesalam, D. Saidi, and O. Kherouoa. 2010. Growth, acidification & proteolysis performance of two cocultures (*Lactobacillus plantarum* Bifidobacterium longum and *Streptococcus thermophilus bifido -bacterium longum*). *African Journal of Biotechnology* 9(10):1463-1469.
- Bintang, M. 2010. *Biokimia Teknik Penelitian*. Erlangga. Jakarta.
- Budiarti, G. I., S. Sumardiono, dan Kusmiyati. 2016. Studi Konversi Pati Ubi Kayu (Cassava Starch) menjadi Glukosa secara Enzimatik. *Magister Teknik Kimia, Fakultas Teknik, Universitas Diponegoro Semarang, Jawa Tengah, Indonesia. Volume 3, Nomor 1, Juni 2016, 7-16 ISSN: 23-25*.
- Cohen, D.L., R. R. Townsend, S.Y. Angell, and D. J. D. Pette. 2014. The world health organization recognized non communicable and raised

- blood pressure as global health priority for 2025. *Journal of Clinical Hypertension* 16: 624.
- Damodaran, S. 1996. *Functional properties*. Di dalam: Nakai S, Modler H.W (editor). *Food protein: Properties and characterization*. New York: UCH Publisher.
- Davis, P. H, and V.H. Heywood. 1963. *Basic methods in molecular biology*. 2nd ed. Appleton & Lange. Connecticut.
- Dewanti, R., J.H. P. Sidadolog, dan Zuprizal. 2009. Pengaruh pejection dan pakan terhadap pertumbuhan itik turi sampai umur selapan minggu. *Buletin Peternakan* 33(2): 88-95.
- Du, L., M. Fang, H. Wu, and J. Xie. 2013. A novel angiotensin I-converting enzyme inhibitory peptide from *Phascolosoma esculenta* water-soluble protein hydrolysate. *J Funct Foods* 5:475–483.
- Dunn, J. A., J. S. Patrick., S. R. Thorpe, and J. W. Baynes .1989. Oxidation of glycated proteins: age-dependent accumulation of N epsilon-(carboxymethyl) lysine in lens proteins. *Biochemistry*. 28 (24): 9464-8.
- Eastwood, M. 1999. *Principles of Human Nutrition*. Aspen Publisher, Inc. Maryland.
- Erdmann, K, and H. Cheung. 2008. The possible roles of food-derived bioactive peptides in reducing the risk of cardiovascular disease. *J. Nutr. Biochem* 19: 643–654.
- Fatmawati, U., Suranto dan Sajidan. 2009. Ekspresi Protein pada Mikroorganisme Resisten Cr dengan Metode Elektroforesis. *Bioteknologi*. 6 (1): 40-48.
- Fitzgerald R.J, and H. Meisel. 2003. Caseinophosphopeptides (CPPs) as functional ingredients. In *Functional dairy products* Edited by Tiina Mattila-Sandholm and Maria Saarela. Woodhead Publishing Ltd and CRC Press LLC.
- Forrest, J.C., E.B. Aberle, H.B. Hedrick, M.D. Judge, and R. A. Merkel. 1975. *Principles of Meat Science*. W.H. Freeman and Co., San Fransisco
- Geirsdottir, M. 2009. Isolation, purification and investigation of peptides from fish proteins with blood pressure decreasing properties. *Matis-Food Research, Innovation & Safety*. Desember 2009.
- Ghassem, M., K. Arihara., A.S. Babji, M. Said, and S. Ibrahim. 2011. Purification and identification of ACE inhibitory peptides from Haruan (*Channa striatus*) myofibrillar protein hydrolysate using HPLC-ESI-TOF MS/MS. *Food Chem*. 129:1770-1777.

- Hansen, K., U. Nyman., U.W. Smitt, A. Adsersen, L. Gudiksen, S. Rajasekharan, and P. Pushpangadan. 1995. In Vitro Screening of Traditional Medicines for Antihypertensive Effect Based on Inhibition of Angiotensin Converting Enzyme (ACE). *J Ethnopharmacol* 48:43-51.
- Hernandez-Ledesma., B. Amigo, L.M. Ramos, and I. Recio. 2004. Angiotensin converting enzyme inhibitory activity in commercial fermented products. Formation of peptides under simulated gastrointestinal digestion. *Journal of Agricultural and Food Chemistry* 52 : 1504–1510.
- Jamhari. 2014. Studi Peptida Bioaktif dari Protein Daging Ternak Lokal Indonesia sebagai Agensi Antihipertensi. [Disertasi]. Fakultas Peternakan, Universitas Gadjah Mada, Yogyakarta.
- Jang, A., dan M. Lee. 2005. Purification and identification of angiotensin converting enzyme inhibitory peptides from beef hydrolysates. *Meat Science*, 69(4), 653–61. doi:10.1016/j.meatsci.2004.10.014
- Jun, K., O.H. Rck and O.M. Jin. 1996. Chemical composition of special poultry meat. *Chungnam Taehakkyo*. 23(1): 90 – 98
- Kapel, R., E. Rahou, D. Lecouturier, D. Guillochon, and D. Dhulster. 2006. Characterization of an antihypertensive peptide from an alfalfa white protein hydrolysates produced by continuous enzymatic membrane reactor. *Process Biochemistry*, 41, 1961– 1966.
- Karni. 1997. Mempelajari Daya Hipotensif Kecambah Kedelai [skripsi]. Bogor: Institut Pertanian Bogor.
- Katayama, K., M. Tomatsu, H. Fuchu, M. Sugiyama, S. Kawahara, K. Yamauchi, Y. Kawamura, and M. Muguruma. 2003a. Purification and characterization of angiotensin I converting enzyme inhibitory peptide derived from porcine troponin C. *Anim. Sci. J.* 74:53-59.
- Kim, G.D., J.Y. Jeong., S.H. Moon, Y.H. Hwang, G.B. Park and S.T. Joo. 1997. Division of Applied Life Science, Graduate School, Gyeongsang National University, Jinju, Gyeongnam 660 – 701, Korea. pp. 1 – 3.
- Kim, S.R. and Byun, H.G. 2012. The novel angiotensin I converting enzyme inhibitory peptide from rainbow trout muscle hydrolysates. *Fisheries Aquaculture Science*, 15 (3), 183–190.
- Kitts, D. D, and K. Weiler. 2003. Bioactive proteins and peptides from food sources. Applications of bioprocesses used in isolation and recovery. *Cur. Pharm. Design*. 9: 1309–1310.
- Kohama, Y., S. Matsumoto, H. Oka, T. Teramoto, M. Okabe, and T. Mimura. 1988. Isolation of angiotensin I converting enzyme inhibitor from tuna muscle. *Biochem Biophys Res Commun* 155: 332–7.

- Korhonen, H., and A. Pihlanto 2006. Bioactive peptides. From Science Application . J Funct. Food 1: 177-187.
- Kurniati, Vita dan I.S. Wanadi. 2001. Pemisahan Protein Berdasarkan Berat Molekul dalam Buku Biokimia: Eksperimen Laboratorium. Biokimia FKUI. Hal. 35-37.
- Lawrie, R.A. 2003. Ilmu Daging. Edisi Kelima. Terjemahan: Aminuddin P. dan Yudha A. Universitas Indonesia Press. Jakarta.
- Mountney, G. J. 1976. Poultry Products Technology. 2nd Ed. #vi Publishing Company. INC. Westport.
- Maeno, M., N. Yamamoto, and T. Takano. 1996. Identification of an antihypertensive peptide from casein hydrolysate produced by a proteinase from *Lactobacillus helveticus* CP790. J. Dairy Sci. 79 : 1316-1321.
- Majumder, K. 2009. Qsar- Aided study of antihypertensive peptides from egg proteins [thesis]. Canada: Faculty of Graduate Studies and Research, Department of Agricultural, Food and Nutritional Science, University of Alberta.
- Mansjoer, A. 2001. Kapita Selekta Kedokteran. Jakarta: Media Esculapius. Seminar Nasional Teknologi Peternakan dan Veteriner 2001 655
- Naiola, E, dan N. Widhyastuti. 2002. Isolasi, seleksi dan opttmasi produksi protease dari beberapa isolat bakteri. Bidang Mikrobiologi, Puslit Biologi - LIPI, Bogor. Berita Biologi, Vol 6. No 3.
- Nakamura, Y., N. K. Yamamoto, Sakai, and T. Takano. 1995. Antihypertensive effect of Sour Milk and Peptide Isolated from It that are Inhibit Angiotensin –I-Converting –Enzyme. J. Dairy Science, 78: 1253–1257.
- Nakashima, Y., K. Arihara, A. Sasaki, H. Mio, S. Ishikawa, and M. Itoh, 2002. Antihypertensive activity of peptides derived from porcine skeletal muscle myosin in spontaneously hypertensive rats. J. Food Sci. 67(1): 434-437.
- Norris R, R. J and Fitzgerald. 2013. Antihypertensive Peptide from Food Proteins. Norris and FitzGerald licensee InTech. <http://dx.doi.org/10.5772/51710>. 45-46.
- Purbasari, D. 2008. Produksi dan Karakterisasi Hidrolisat Protein Dari Kerang Mas Ngur (*Atactodea striata*). [Skripsi]. Program Studi Teknologi Hasil Perikanan, Fakultas Perikanan dan Ilmu Kelautan, Institut Pertanian Bogor, Bogor.
- Purnomo, Y. 2005. Optimasi Penambahan Crude Papain dan Suhu Inkubasi pada Proses Pembuatan Virgin Coconut Oil (VCO). Jurusan Teknologi Pangan UPN “Veteran” Jawa Timur.

- Ryan J. T., R. P. Ross, D. Bolton, G. F. Fitzgerald, and C. Stanton. 2011. Bioactive peptide from muscle sources: meat and fish. *Journal of Nutrients* 3:765-791.
- Samosir, D.J. 1984. Ilmu Ternak Itik. Jakarta, PT Gramedia.
- Sinaga, W, R, J, Hidrolisat Protein Tempe Komak ((*Lablab purpureus* (L.) Sweet) sebagai Penghambat ACE (*angiotensin converting enzyme*). Skripsi. Departemen Biokimia Fakultas Matematika dan Ilmu Pengetahuan Alam Institut Pertanian Bogor. Bogor. 2014.
- Situmorang, N. (2014). Aktivitas protease dan uji fisiologi isolat bakteri proteolitik dari limbah cair nanas. Skripsi. FMIPA Universitas Lampung, Lampung.
- Selvakumar, P., T. C. Ling, A. D. Covington, and A. Lyddiatt. 2012. Enzymatic hydrolysis of bovine hide and recovery of collagen hydrolysate in aqueous two-phase systems. *Separation & Purification Technology*, 89, 282–287.
- Setioko, A.R., A. Syamsudin, M. Rangkuti, H. Budiman dan A. Gunawan. 1994. Budidaya temak itik. Pusat Perpustakaan Pertaniandan Komunikasi Penelitian. Badan Penelitian dan Pengembangan Pertanian. Bogor.
- Shalaby, S.M., Zakora, and J. Otte. 2006. Performance of two commonly used angiotnsin converting enzyme inhibitor assays using FA-PGG and HHL as substrate, . *J. Dairy Res.* 73: 178-186.
- Sharifi, N., S. Effat, A.Z. Seyed, A. Gholamrez, A. Massoud. 2013. Discovery of new angiotensin converting enzyme (ACE) inhibitors from medical plants to treat hypertension using an in vitro assay. *J.of Pharmaceutical Science*, 21:74-81.
- Soeharto, I. 2002. Serangan Jantung dan Stroke. Edisi Kedua. Jakarta: PT Gramedia Pustaka Utama.
- Srigandono, B., 1998. Beternak Itik Pedaging. Trubus Agriwidya, Ungaran.
- Stella, A. 2009. Studi Sifat Fisikokimia, Sifat Fungsional, Nutrisi, dan Kapasitas Antioksidan Konsentrat Protein Tempe Kacang Komak (*Lablab purpureus* (L.) sweet) [skripsi]. Bogor: Institut Pertanian Bogor.
- Thakam, A., N. Saewanm, K. Kittigowittang, and A. Jimtaisong. 2012. Antioxidant and Antityrosinase Activities of Metal Complexes of Curcuma petiolata Extract for Cosmetics Applications. 1st mae Fah Luang University International Conference.
- Triyantini., A. Bakar, C. Bintang, dan T. Antawidjaja. 1997. Studi komperatif preferensi, mutu clan gizi beberapa jenis daging unggas. *Jurnal. Ilmu Ternak Dan Veteriner*. Vol.2. No.3. Puslitbang Peternakan. Bogor.

- Vasdev, S., and J. Stuckless. 2010. Antihypertensive effects of dietary protein and its mechanism. *International Journal Angiol.* 19: 7–20.
- Walker, J. M., and E. B. Gingold. 1988. *Molecular Biology and Biotechnology 2nd*. The Royal Society of Chemistry . London: Burlington House. 303-304.
- Wijesekara, I., Z.J. Qian, B. Ryu, D.H. Ngo, and S.K. Kim . 2011 . Purification and identification of antihypertensive peptides from seaweed pipefish (*Syngathusschelegeli*) muscle protein hydrolysates. *Food Research International*, 44,703–707.
- Yuwanta, T. 1998. Performance of Asia Native Ducks Raised Under Extensive Rural Condition. Proc. 6th. APPC. Nagoya, Japan.