

DAFTAR PUSTAKA

- Anonim. 2006. *Pharmaceutical Care* untuk penyakit hipertensi. Ditjen Bina Kefarmasian dan Alat Kesehatan Departemen Kesehatan
- Anonim. 2007. Solid - phase extraction of anthocyanins. <http://fshn.vfl.edu/faculty/STTalcott/www/Food%20Analysis/AnthocyaninSPE.doc>. (diakses tanggal 27 November 2007).
- Anonim. 2013. Statistik Peternakan 2013. Direktorat Jenderal Peternakan. Jakarta
- Astawan, M., M. Wahyuni, T. Yasuhara, K. Yamada, T. Tadokoro, and A. Maekawa. 1995. Effect of angiotensin i-converting enzyme inhibitory substance derived from indonesian dried-salted fish on blood pressure of rats. *Bioscie., Biotechnol., and Biochemistry* 59: 425-429.
- Attwood, M. R., R.J. Francis, C.H. Hassall, A. Krihn, G. Lawton, I.L. Natoff, J.S. Nixon, S. Redshaw and W.A. Thomas. 1984. New potent inhibitors of angiotensin converting enzyme. *FEBS Lett.* 165, (2) : 201-206.
- Azizi, Ml., C. Massien, A. Michaud and P. Corvol. 2000. *In Vitro* and *in vivo* inhibition of the 2 active sites of ace by omapatrilat, a vasopeptidase inhibitor. . *J Amer. Heart Assoc.* 35:1226-1231.
- Berber, I. 2004. Characterization of *Bacillus* species by numerical analysis of their SDSPAGE protein profiles. *J.Cell Molecular Biol.* (3). 33-37.
- Bhalani, K.P. 2010. Moisture content determination in fluid bed dryer by Near Infrared Spectroscopy (NIRS). PG Scholar, Production Engineering Department, VJTI, Mumbai University.
- Bienkiewicz, K. 1983. Physical chemistry of leather making. Robert E Krieger Publishing Company, Florida. 44, 268.
- Bilgen, G., G. Oktay, Z. Tokgoz, G. Guner, and S. Yalcin. 1999. Collagen content and electrophoretic analysis of type I collagen in breastskin of heterozygous naked neck and normally feathered commercialbroilers. *J Vet Anim Sci.* 23:483-487.
- Borodin, E.A., I. E. Pamirsky, M. A. Shtarberg, V.A. Dorovskikh, A. V. Korotkikh, C. Tarumizu, K. Takamatsu, dan S. Yamamoto. 2013. Soybean-bioactive compound. *Jazena Trdine Pres, Rijeka.* 492-512.
- Brown, E.M., G.King, and J.M.Chen, 1997. Model of the helical portion of a type I collagen microfibril. *J. Alca.* 92: 1-7.
- Cahyarini, R.D. 2004. Identifikasi keragaman genetik beberapa varietas lokal kedelai di jawa berdasarkan analisis lisozim. Tesis. Universitas Sebelas Maret.

- Cheng, F.Y., Y.T. Liu, T.C. Wan, L.C. Lin and R. Sakata. 2008. The development of Angiotensin I-Converting Enzyme Inhibitor derived from chicken bone protein. *J. Anim. Sci.* 79:122–128.
- Cheng, F.Y., T.C. Wan, Y.T. Liu, K.M. Lai, L.C. Lin and R. Sakata. 2008b. Attenuating development of cardiovascular hypertrophy with hydrolysate of chicken leg bone protein in spontaneously hypertensive rats. *Asian-Aust. J. Anim. Sci.* 21(5):732-737.
- Cheung, H.S., F.L. Wang, M.A. Ondetti, E.F. Sabo, and D.W. Chusman. 1980. Binding of peptide substrates and inhibitors of angiotensin converting enzymes. *J. Bio. Chem.* 225:401-408.
- Cushman, D.W. and H.S. Cheung. 1971. Spectrophotometric assay and properties of the angiotensin-converting enzyme of rabbit lung. *Biochem. Pharmacology* 20:1637–1648.
- Davis, L., M. Kuehl and J. Battey. 2004. Basic methods: molecular biology. 2nd ed. Norway: Appleton and Lange. 68.
- Englard, S. and S. Seifter. 1990. Precipitation techniques. *Method Enzymol.* 182: 285-300.
- Erwanto, Y., A. Ismanto, Jamhari, A. Prasetyoo, R. Yuliatmo, dan R.A. Wijayaningsih. 2014. The potency of bioactive peptide of native chicken leg as an anti-hypertension agent. *J. Asian-Australian Anim. Sci. (Abstr.)*
- Fernao C., A. Braga, P. Carla, A. Serra, S. Nilton, J.A. Viana, B. Almeida, A. Oliveira, F. Steyner, C. Côrtes, A. Júlio, and Lombardi. 2007. Angiotensin-Converting Enzyme Inhibition by Brazilian plants. *J. Fitoterapia.* 78:353–358.
- Fricke, B., K. Drößler, I. Willhardt, A. Schierhorn, S. Menge, and P. Rücknagel. 2001. The cell envelope-bound metalloprotease (camelysin) from *Bacillus cereus* is a possible pathogenic factor, *Biochim. Biophys. J. Acta*, 1537, 132–146.
- Franke, H., G. Gronow and K. Petersen. 1977. Glucagon induced functional change of isolated perfused rat kidney. *Churr. Probl. Clin. Biochem.* 8:424-434.
- Fujita, H., K. Yokohama, and M. Yoshikawa. 2000. Classification and antihypertensive activity of Angiotensin I-Converting Enzyme inhibitory peptides derived from food proteins. *Journal of Food Science*, 65(4), 564–569.
- Hazato, T. and R. Kase. 1986. Isolation of Angiotensin-I Converting Enzyme inhibitor from porcine plasma. *Biochem. and Biophys. Res. Comm.* 139: 52–55.

- He, X.S., R. Brückner, and R.H. Doi. 1991. The protease genes of *Bacillus subtilis*. Res. Microbiol. 142:797–803.
- Jang, A., and M. Lee. 2005. Purification and identification of Angiotensin Converting Enzyme Inhibitory peptides from beef hydrolysates. J. Meat Sci. 69:653–661.
- Jamhari, L. M. Yusiati, E. Suryanto, M. N. Cahyanto, Y. Erwanto, and M. Murugama. 2013. Purification of Angiotensin Converting Enzyme Inhibitory peptide derived from kacang goat meat protein hydrolysate. J. Indonesian Trop. Anim. Agric. 38 (4). 293-246.
- Janson, J.C, and L.Ryden. 1998. Protein purification principles, high-resolution methods and applications, Second Edition. John Wiley dan Sons, Inc. Canada.
- Katayama, T., K. Katayama, Jamhari, T. Mori, S. Kawahara, K. Miake, Y. Kodama, M. Sugiyama, Y. Kawamura, T. Nakayama, M. Maruyama, and M. Muguruma. 2007. Angiotensin-I Converting Enzyme inhibitory peptide derived from porcine skeletal muscle myosin and its antihypertensive activity in spontaneously hypertensive rats. J Food Sci. 72: 702-706.
- Kouguchi, T., Y. Zhang, M. Sato, Y. Takahata and F. Morimatsu. 2010. Vasoprotective effect of foods as treatments: chicken collagen hydrolysate. Nippon Meat Packers, Inc., R & D Center. Japan. 557-570.
- Kumar, M. H., V. Spandana, and T. Poonam. 2011. Extraction and determination of collagen peptide and its clinical importance from tilapia fish scales (*Oreochromis niloticus*). Int Res J Pharm. 2 (10):97-99.
- Kurniawan, A. 2002. Penyakit hipertensi. Seminar Hipertensi Senat Mahasiswa Fakultas Kedokteran Yarsi. 21 September 2002
- Laemmli, V. K. 1970. Cleavage of structural protein during the assembly of the head of bacteriophage t4. Nature. (5). 227:680.
- Li, G.H., M.R. Qu, J.Z. Wan and J.M. You. 2007. Antihypertensive Effect of rice protein hydrolysate with *in vitro* angiotensin I-converting enzyme inhibitory activity in spontaneously hypertensive rats. Aia Pacific J Clin. Nitr. 16:275-280.
- Liu, L., M. Ma., Z. Cai, X. Yang, dan W. Wang. 2010. Purification and properties of a collagenolytic protease produced by *Bacillus cereus* MBL13 strain. J. Food Tech. Biotech. 48:151-160.
- Lodish, H. D., A. Baltimore, S. C. Berk, P. Zipusky, Matsudaria dan Darnel. 2001. Molecular cell biology 3rd. Scientific American Book. New York.

- Maruyama, S., K., Nakagomi, N. Tomizuka and H. Suzuki. 1985. Angiotensin I-converting Enzyme Inhibitor derived from an enzymatic hydrolysate of casein. ii. isolation and bradykinin potentiating activity on the uterus and the ileum of rats. *Agric. Biol. Chem.* 49:1405-1409.
- Martojo, H. 1992. Peningkatan mutu genetika ternak. Departemen Pendidikan dan Kebudayaan Direktorat Jenderal Pendidikan Tinggi Pusat Antar Universitas Bioteknologi IPB, Bogor.
- Miwada, S. dan Simpen. 2008. Optimalisasi potensi cakar ayam (*shank*) hasil limbah RPA melalui metode ekstraksi termodifikasi untuk menghasilkan gelatin. *Jurnal Universitas Udayana*. Denpasar.
- Mukhtar, H. and U.H. Ikram. 2008. Production of alkaline protease by *Bacillus subtilis* and its application as Adeplating agent in leather processing. *Pak. J. Bot.* 40 (4): 1673-1679.
- Nakamura, Y., N. Yamamoto, K. Sakai., and T. Takano. 1995. Antihypertensive effect of sour milk and peptide isolated from it that are inhibitors to Angiotensin I-Converting enzyme. *J Dairy Sci.* 78:1253-249.
- Nuraida, L., S. Firadah, D. N. Palupi, dan N. Sri. 2005. Produksi Lipase *Aspergillus* sp. Dengan Teknik Imobilisasi. Laporan Penelitian. Lembaga Penelitian dan Pemberdayaan Masyarakat. IPB, Bogor.
- Nelson, D. L and Cox, M. M. 2008. Principle of biochemistry. New York: W. H. Freeman And Company Nelson, David. L dan Cox, Michael .M. 2008. Principle of Biochemistry. New York: W. H. Freeman And Company
- Novo. 1981. Novo's Handbook of practical biotechnology. Novo. Denmark.
- Okamoto, A., H. Hanagata., Y. Kawamura, and F. Yanagida. 1995. Antihypertensive substances in fermented soybean, Natto. *Plant Food Human Nutrition*, 47, 39–47.
- Owusu-Appenton, R. K. 2002. Food protein analysis quantitative effects on processing. CRC Press. New York.
- Prayogi, H. S. 2011. The Improvement of Indonesia native chicken: estimation of genetic parameters, response to selection, and disease resistance ability. *Journal Ilmu-ilmu Peternakan*. 21:1-7.
- Purnomo, E. 1992. Penyamakan kulit kaki ayam. Penerbit kanisius. Yogyakarta
- Rasyaf, M. 1991. Pengelolaan usaha peternakan ayam kampung. Penerbit Kanisius. Yogyakarta.
- _____. 2003. Beternak ayam pedaging. Cetakan XXIII. Penebar Swadaya. Jakarta.

- Saiga, A., K. Iwai, T. Hayakawa, Y. Takahata, S. Kitamura, T. Nishimura, and F. Morimatsu. 2008. Angiotensin I-Converting Enzyme-Inhibitory peptides obtained from chicken collagen hydrolysate. *J. Agr. Food Chem.* 56:9586–9591.
- Saxena, R. and Singh R. 2011. Characterization of a metallo-protease produced in solidstate fermentation by a newly isolated *Bacillus* strain. *Article of Biol. Szeged.* 55(1):13-18.
- Setiawati, A., dan Z.S. Bustami. 1995. Antihipertensi, dalam *Farmakologi dan Terapi*. UI-Press. Jakarta.
- Soedarmadji, S. 1996. *Teknik analisa biokimiawi*. Edisi Pertama. Liberty. Yogyakarta
- Sunarto. 2011. Karakteristik pola pita protein *anodonta woodianalea* akibat terpapar logam berat cadmium (Cd). *Jurnal Ekosains.* III. (1).
- Todorov, S. D., M. V. Velho, and P. Gibbs. 2004. Comparison of two methods for purification of plantaricin st31, a bacteriocin produced by *Lactobacillus plantarum* st31. *Brazilian J. Microbiol.* 35:157-160.
- Umayaparvathi, S., S. Meenakshi, M. Arumugam, and T. Balasubramanian. Purification and characterization of protease from *Bacillus cereus* SU12 isolated from oyster *Saccostrea cucullata*. *African J. Biotech.* 12(40):5897-5908.
- Yuliatmo, R. 2012. Hidrolisis protein cakar ayam broiler dan potensi sebagai agen antihipertensi. Skripsi. Fakultas Peternakan. Universitas Gadjah Mada.
- Yuningsih, T. B. Murdiati, dan H. Yusrini. 2002. Analisis residu antibiotika Penisilin-G dalam susu dengan teknik Solid Phase Extraction (SPE) dan khromatografi cair kinerja tinggi (KCKT) dengan detektor ultra violet. *Seminar Nasional Teknologi Peternakan dan Veteriner.* 450-453.
- Zambare, V., S. Nilegaonkar, and P. Kanekar. 2010. Application of protease from *bacillus cereus* mcm b-326 as a bating agent in leather processing. *IIOAB J.* 1 (4):18-21.