

DAFTAR PUSTAKA

- Abe, H., Brill, R.W., Hochachka, P.W. 1986. Metabolism of L-histidine, carnosine, and anserine in skipjack tuna. *Physiol Zool* (4): 439-450p.
- Abrar. M. 2013. Pengembangan model untuk memprediksi pengaruh suhu penyimpanan terhadap laju pertumbuhan bakteri pada susu segar. *Jurnal Medika Veterinaria*. 7:109-112.
- Apituley. D., Noor. Z., Darmadji. P., dan Suparmo. 2006. Dampak oksidasi protein oleh sistem oksidasi 2,2-azobis (2 amidi propane) hidroklorida (aaph) dan sistem katalis logam CuSO₄ terhadap komposisi asam amino protein daging merah dan putih ikan tongkol putih (*Thunnus* sp.). *Majalah Ilmu Teknologi Pertanian*. 26:171- 178.
- Baranyi. J. & T.A. Roberts. 1995. Mathematics of predictive food microbiology. *Int Journal of Microbiology*. 26:199-218
- Behling. A. R. And Taylor. S. L.. 1982. Bacterial histamin production as a function of temperature and time of incubation. *J. Food Science*. 47:1311-1317.
- Budiyanta, D. W. 2020. Pengaruh Suhu Terhadap Pertumbuhan Dan Pembentukan Histamin *Raoultella Ornithinolytica* TN01 Yang Diisolasi Dari Ikan Tuna. Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Butler. B. K., G.E. Bolton. L.A. Jaykus. P.D. McClellan-Green and D.P. Green. 2010. Development of Molecular-Based Methods for Determination of High Histamine Producing Bacteria in Fish. *International Journal of Food Microbiology*. 139:161-167.
- Chong. C.Y., Abu Bakar. F., Russly. A.R. Jamilah. B., & Mahyudin. N.A.. (2011). The effects of food processing on biogenic amines formation. *International Food Research Journal*. 18(3): 867-876.
- Dalgaard P. Emborg J. Kjolby A. Sorensen ND. Ballin NZ. 2008. Histamine and biogenic amines : formation and importance in seafood. T Borresen. edited. *Improving Seafood Product for the Customer*. North America : Woodhead PublishCRC Press LLC.
- Dirjen KKP RI. 2018. Laporan Tahunan Kementerian Kelautan dan Perikanan Tahun 2018. Jakarta Pusat:
- Dirjen KKP RI. Dirjen KKP RI. 2019. Laporan Tahunan Kementerian Kelautan dan Perikanan Tahun 2019. Jakarta Pusat: Dirjen KKP RI.
- Dwidjoseputro, D. 1994. *Dasar-Dasar Mikrobiologi*. Cet ke-12. Djambatan, Jakarta.
- [EFSA] European Food Safety Authority. 2011. Scientific opinion on risk based control of biogenic amine formation in fermented foods. *EFSA Journal* 9(10):93.

- Emborg. J.. P. Ahrens. and P. Dalgaard. 2007. *Morganella psychrotolerans* - Identification, histamin formation and importance for histamin fish poisoning. Denmark: Danish Institute for Fisheries Research. Doctoral Dissertation.
- Emborg. J.. and P. Dalgaard. 2008. Growth, inactivation and histamine formation of *Morganella psychrotolerans* and *Morganella morganii* — development and evaluation of predictive models. *International Journal Food Microbiology* 128(2): 234-243.
- Fadly. N. 2009. Asesmen Risiko Histamin Ikan Tuna (*Thunnus* Sp.) Segar Berbagai Mutu Ekspor pada Proses Pembongkaran (Transit). Fakultas Perikanan dan Ilmu Kelautan. Institut Pertanian Bogor. Skripsi.
- [FDA] Food and Drug Administration. 2001. *Fish and Fisheries Products Hazards and Control Guidance*. Ed ke-3. Washington DC.
- [FDA] Food and Drug Administration. 2011. *Fish and fishery product hazard and control guidance Chapter 7 Scrombotoxin Formation* 4th Edition. FDA, Washington DC.
- Fishbase. 2010. Yellowfin Tuna (*Thunnus albacares*). <http://www.fishbase.org/summary/Thunnus-albacares.html>. [19 Juni 2023].
- Garbutt, J. 1997. *Essentials of Food Microbiology*. Arnold, London.
- Gonowiak. Z. R. Gajewska. and E. Lipka. 1990. Histidine decarboxylase activity and free histidine and histamine levels in fish meat. *Pantstw Zokl Hiq.* 41:50– 57.
- Griffiths, M.W., and Phillips. 1999. The relation between growth and storage temperature in pasteurized milks of varying hygienic quality. *Journal Dairy Sei.* 45:159-165.
- Hattu. N., J. Latupeirissa. C.A Seumahu. E.G. Fransina. A. Latupeirissa. 2014. Pengaruh ekstrak asam jawa (*Tamarindus indica* L.) terhadap kandungan histamin daging ikan komu (*Auxis rochei*). *Infonesian Journal of Chemical Reserch.* 2(1): 131 – 135.
- Heruwati. E.S., R.A. Sophia. W. Manguwardoyo. 2008. Penghambatan enzim L-histidine decarboxylase dari bakteri pembentuk histamin menggunakan asam benzoate. *Jurnal Pasca Panen dan Bioteknologi.* 3(2): 97 – 106.
- Infofish. 2002. *Handling and Processing of Tuna for Sashimi and Fresh or Chilled Product*. Infofish Technical Handbook 1. Kuala Lumpur: Infofish
- Irawati. H., Feri. K dan Harsi. D. 2019. Analisis penyebab penolakan produk perikanan Indonesia oleh Uni Eropa periode 2007-2017 dengan pendekatan Root Cause Analysis. *Jurnal Standardisasi.* 21:149-160.
- Jay. J. M. 2005. *Modern Food Microbiology*. edisi ke-lima. Chapman and Hall. International Thomson Publishing. New York. USA.

- Jawetz. M. d. (2014). Mikrobiologi Kedokteran. Jakarta: Buku Kedokteran EGC.
- Jinadasa. B.K.K.K.. Galhena. C.K.. Liyanage. N.P.P. 2015. Histamine formation and the freshness of yellowfin tuna (*Thunnus albacares*) stored at different temperatures. Cogent Food & Agriculture. 1(1): 1028735.
- Kanki. M.. Yoda. T.. Tsukamoto. T.. & Shibata. T. 2002. Klebsiella pneumoniae produces no histamin: Raoultella planticola and Raoultella ornithinolytica strains are histamin producers. Applied and Environmental Microbiology. 68:3462-3466.
- Kantun W. Malik AA. Harianti (2015). Kelayakan limbah padat tuna loin madidihang *Thunnus albacares* untuk bahan baku produk diversifikasi. JPHPI. Vol 18. No.3.
- Keer M. Paul L. Sylvia A. Carl R. 2002. *Effect of storage condition on histamin formation in fresh and canned tuna*. Victoria: Comissioned by Food Safety Unit.
- Khanifah. F. U. 2022. Isolasi Dan Identifikasi Bakteri Psikrofil Pembentuk Histamin Dari Tuna Sirip Kuning. Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Kim. S.H.. B.B. Gigirey.. J.B. Velaquez.. R.J. Price. and H.An. 2000. *Histamin and biogenic amine production by Morganella morganii isolated from temperature-abused albacore*. Journal of Food Protection. 63:244-251.
- Kim. S.H.. K.G. Field. M.T. Morrissey. R.J. Price. 2001. *Source and identification of histamin-producing bacteria from fresh and temperature-abused albacore*. Journal of Food Protection. 64(7): 1035-1044.
- Kim, S.H., R.J. Price., M.T. Morrissey., K.G. Field., C.I. Wei, dan H. An. 2002. *Histamine production by Morganella morganii in mackerel, albacore, mahi-mahi, and salmon at various storage temperatures*. Journal of Food Science 67(4):1522-1528
- Ko. IS. 2006. *Factor Affecting Histamine Level in Indonesian Canned Albacore Tuna (Thunnus alalunga)*. Univ. of Tromso. Thesis
- Koessler, K.K., M.T. Hanke, and M. S. Sheppard. 1928. Production of histamine, tyramine, bronchospastic and arteriospastic substances in blood broth by pure cultures of microorganisms. J. Infect. Dis. 43:363-377.
- Kordi. M. G. H. K. 2004. Penanggulangan Hama dan Penyakit Ikan. Jakarta : Bina Adiaksara dan Rineka Cipta.
- Lee Y-C. Kung H-F. Lin C-S. Hwang C-C. Lin CM. Tsai Y-H. 2012. *Histamine production by Enterobacter aerogenes in tuna dumpling stuffing at various storage temperatures*. Food Chemistry. 131 (2): 404-412.
- Li. P.. Mai. K.. Trushenski. J.. and Wu. G. 2008. New development in fish amino acid

nutrition: Towards functional and environmentally oriented aquafeeds. Springer. 11p.

- Lin. C.S., Kung.H.F., Lin.C.M., Tsai. H.C and Tsai. Y.H. 2016. Histamin production by *Raoultella ornithinolytica* in mahi-mahi meat at various storage temperature. *Journal of Food and Drug Analysis*. 24:305-310
- López-Sabater EI. Rodríguez-Jerez JJ. Hernández-Herrero M. Roig-Sagués AX. MoraVentura MAT. 1996. Kualitas sensorik dan pembentukan histamin selama dekomposisi terkendali tuna (*Thunnus thynnus*). *J Makanan Prot* 59:167-174.
- Madigan, M. T. 2009. Boock Biology of Microorganisms Twelfth Edition. Pearson Benjamin Cummings.
- Mahusain, N., Fernandes, B., Nurul. U., M. Khairi., and Muhd, D. Changes of histamine levels and bacterial growth in longtail tuna, *Thunnus tonggol* stored at different temperature. *Journal of Sustainability Science and Management Special Issue*.17: 38-46.
- Mangunwardoyo. W.. Sophia. R.A.. & Heruwati. E.S. 2007. Seleksi dan pengujian aktivitas enzim L-Histidine Decarboxylase dari bakteri pembentuk histamine. *Makara Sains*. 11:104-109.
- Margareta,G. 2019. Pertumbuhan dan Produksi Histamin oleh *Citrobacter freundii* CK01 pada Berbagai Suhu. Universitas Gadjah Mada. Skripsi.
- Milo SM. LME Purwijatiningsih. Pranata S. 2013. Mutu ikan tongkol di kabupaten Gunung Kidul dan Sleman Daerah Istimewa Jogjakarta. Skripsi. Fakultas Teknobiologi. Universitas Atmajaya. Yogyakarta.
- Molenaar. D.. J.S. Bosscher. B.T. Brink. A.J. Driessen. and W.N. Konings. 1993. Generation of a proton motive force by histidine decarboxylation and electrogenic histidine/histamine antiport in *Lactobacillus buchneri*. *J. Bacteriol*. 175:2864- 2870.
- Morii. H.. K. Kasama. 2004. activity of two histidine decarboxylases from *Photobacterium phosphoreum* at different temperatures. pH. and NaCl concentrations. *Journal of food protection*. 67(8): 1736-1742.
- Moyer. C.L.. E.R. Collins. R.Y. Morita. 2017. Psychrophiles and Psychrotrophs. in: Reference Module in Life Sciences. *Encyclopedia of life sciences*. 1(6).
- Munasinghe.D.M.S.. T. Ohkubo.. and T. Sakai. 2005. The lipids peroxidation induced changes of protein in refrigerated yellowtail minced meat. *Fisheries Science*. 71: 462-466.
- Ndaw A. Zinedine A. Bouseta A. 2007. Assessment of histamine formation during fermentation of sardine (*Sardina pilchardus*) with lactic acid bacteria. *World Journal of Dairy and Food Science* 2(2): 42-48.

- Nento, W. R., Nurhayati, T., dan Suwandi, R. 2014. Perubahan Mutu Daging Terang Ikan Tuna *Yellowfin* di Perairan Teluk Tomini Propinsi Gorontalo. JPHPI. 17(3):225-232.
- Nurjanna. 2004. Pembuatan media dan pereaksi untuk isolasi dan identifikasi bakteri *Vibrio* sp. Pusat Riset Perikanan Budidaya. Buletin Teknik Litkayasa Akuakultur. 5 hlm.
- Pelczar, M.J. dan E. C. S. Chan. 1986. Dasar-Dasar Mikrobiologi. UI Press, Jakarta.
- Punch. J.D.. & J.C. Olson. 1963. Comparison between standard methods procedure and a surface plate method for estimating psychrophilic bacteria in milk. Journal of Milk and Food Technology. 27(2): 43-47.
- Purwani. E dan D. Retnaningtyas. 2008. Pengembangan Pengawet *alami* dari Ekstrak Lengkuas. Kunyit. dan Jahe pada Daging dan Ikan Segar. Laporan Penelitian. Fakultas Ilmu Kedokteran Universitas MuhammadiyahSurakarta.
- Rani. P.. Vijay.K.. and Shameem. 2016. Seasonal variation of proximate composite of tuna fishes from Visakhapatnam fishing harbor. Eat coas of India. International Journal of Fisheries and Aquatic Studies. 4:303-313.
- Ray, B. 2001. Fundamental Food Microbiology.Ed-2. CRC Press, New York
- Ratih, R., Saida, S., & Nontji, M. 2021. Pertumbuhan Rhizobakteri Asal Rhizosfer Tanaman Jagung (*Zea Mays L.*) Pada Berbagai Media Organik Cair. AGrotekMAS Jurnal Indonesia: Jurnal Ilmu Peranian, 2(2), 1-10.
- Ratkowsky, D.A., R.K. Lowry, T.A. McMeekin, A.N. Stokes and R.E. Chandler. 1983. Model for Bacterial Culture Growth Rate Throughout The Entire Biokinetic Temperature Range. Journal of Bacteriology. 154:1222–1226.
- Sales. J. 2010. Quantification of the differences in flesh fatty acid components between farmed and wild fish. Journal of Aquatic and Food Product Technology. 19:298- 309.
- Saanin. T. 1984. Taksonomi dan kunci identifikasi ikan: bagian I. Bina Cipta. Bandung.
- Saraswati, P. W., K. A. Nocianitri., I. H. Arihantana. 2021. Pola pertumbuhan *Lactobacillus* sp. F213 Selama Fermentasi Pada Sari Buah Terung Belanda (*Solanum betaceum Cav.*). Jurnal Ilmu dan Teknologi Pangan. 10(4):621-633
- Shalaby.AR. 1996. Significance of biogenic amines to food safety and human health. Food Research International. 29:675-690.
- Soedarto. (2015). Mikrobiologi Kedokteran . Jakarta: CV. Sagung Seto.

- Standarisasi Nasional Indonesia. 2006. SNI 01–2332– 3–2006, Cara Uji Mikrobiologi Bagian 3: Penentuan angka lempeng total (ALT) pada Produk Perikanan. Badan Standarisasi Nasional. Jakarta.
- Suprayogi, I., T. Trimaijon., dan M. Mahyudin. 2014. Model prediksi liku kalibrasi menggunakan pendekatan jaringan saraf tiruan (ZST) (studi kasus: sub DAS Siak Hulu). *Jurnal Online Mahasiswa* 1(1):1-18.
- Suyono.Y dan F. Salahudin. 2011. Identifikasi dan Karakterisasi Bakteri *Pseudomonas* pada Tanah yang Terindikasi Terkontaminasi Logam. *Jurnal Biopropal Industri* . 1(2) :1-2.
- Suvitha.S.. A. Eswar.. R. Anbarasu.. K. Ramamoorthy and G. Sankar. 2014. Proximate, amino acid and fatty acid profile of selected two marine fish from Parangipettai Coast. *Asian Journal of Biomedical and Pharmaceutical Science*. 4: 38-42.
- Takahashi, H., M. Ogai, S. Miya, T. Kuda & B. Kimura. 2015. Effects of environmental factors on histamin production in the psychrophilic histamin-producing bacterium *Photobacterium iliopiscarium*. *Food Control*. 52:39-442
- Veys.O.. Susana. O.. Imca.S.. and Eduardo. 2016. Modelling the growth of *Salmonella* spp. and *Escherichia coli* O157 on lettuce. *Procedia Food Science*. 7:168-172.
- Warner, R. L., Mass O, Donnelly Lenn N, et al. (2019) Growing and Handling of Bacterial Cultures within a Shared Core Facility for Integrated Structural Biology Program. *Growing and Handling of Bacterial Cultures*. IntechOpen. DOI: 10.5772/intechopen.81932.
- Winarno. F.G. 1993. Pangan Gizi. Teknologi dan Konsumen. Gramedia Pustaka Utama. Jakarta.
- Wodi SIM. Trilaksani W. Nurimala M. 2018. Histamin dan identifikasi bakteri pembentuk histamin pada tuna mata besar (*Thunnus obesus*). *Jurnal Teknologi Perikanan dan Kelautan*. 9(2):185-192.
- Yanuardi, A. 2011. Pendugaan pertumbuhan dan ketahanan *Salmonella typhimurium* pada udang dengan penyimpanan suhu dingin dan penambahan sodium metabisulfit. Institut Pertanian Bogor. Skripsi.
- Yoshinaga. D.H.. and H.A. Frank. 1982. Histamine-Producing Bacteria in Decomposing Skipjack Tuna (*Katsuwonus pelamis*). *Applied Environment and Microbiology*. 44: 447-452.
- Yu. H.. D. Zhuang. X. Hu. S. Zhang. Z. He. M. Zeng. X. Fang. J. Chen. & X. Chen. 2018. Rapid determination of histamine in fish by thin layer chromatography - image analysis method using diazotized visualization reagent prepared with p-nitroaniline. *Analytical Methods*. 10: 3386 – 3392.
- Yusra. M.. D.A. Hamzah. D.S. Syahnur. M. Si. 2014. Analisis Permintaan Tuna Sirip

Kuning (Yellowfin) Indonesia Di Pasar Jepang. Jurnal Ilmu Ekonomi: Program Pascasarjana Unsyiah. 2(2).

Yusuf. R.. Arthatiani. F.Y.. Putri. H.M. 2017. Opportunities of tuna Indonesia export market: A Bayesian analysis approach. J. Kebijakan Sosek KP. 7(1)