

DAFTAR PUSTAKA

- [BPOM] Badan Pengawas Obat dan Makanan. 2011. Peraturan Kepala Badan Pengawas Obat Dan Pangan RI Nomor HK.03.1.5.12.11.09955 Tahun 2011 Tentang Pendaftaran Pangan Olahan. BPOM. Jakarta.
- [GAIN] Global Agricultural Information Network. 2017. Seafood Market Brief Update 2017: Republic of Korea. USDA Foreign Agricultural Service.
- Abbas, A.K., A.H. Lichtman & J.S. Pober. 2000. Celluler and Molecular Immunology. 4th Edition. W.B. Saunders Company. Philadelphia.
- Abdiani, I.M. 2010. Pola distribusi larva Anisakid pada tubuh ikan yang didaratkan di Tarakan. Tesis. Universitas Gadjah Mada. Yogyakarta.
- Acebal, M.L., A. Muñoz-Furlong & H.A. Sampson. 2014. The Management of Food Allergy. Food Allergy: Adverse Reactions to Foods and Food Additives. 5th Edition. John Wiley & Sons Ltd. 452-463 p.
- Acha, P.N. & B. Szyfres. 2003. Zoonosis and Communicable Diseases Common to Man and Animals. Volume III: Parasitoses. 3rd Edition. Washington DC: Pan American Health Organization.
- Alifuddin, M., Y. Hadiroseyani & I. Ohoiulun. 2003. Parasit pada ikan hias air tawar (ikan cupang, gapi dan rainbow). JAI. 2 (2): 93-100.
- Alonso, A., A. Daschner & A. Moreno-Ancilo. 1997. Anaphylaxis with *Anisakis simplex* in the gastric mucosa. N. Engl. J. Med. 337 (5): 350-351.
- Anadón, A.M., E. Rodríguez, M.T. Gárate, C. Cuéllar, F. Romarís & T. Chivato. 2010. Diagnosing human anisakiasis: recombinant Ani s 1 and Ani s 7 allergens versus the UniCAP 100 fluorescence enzyme immunoassay. Clin. Vaccine Immunol. 17 (4): 496–502.
- Anshary, H. 2011. Identifikasi molekuler dengan teknik PCR-RFLP larva parasit *Anisakis* spp. (Nematoda: Anisakidae) pada ikan tongkol (*Auxis thazard*) dan kembung (*Rastrelliger kanagurta*) dari perairan Makassar. J. Perikan. XIII (2): 70-77.
- Anshary, H. 2016. Parasitologi Ikan: Biologi, Identifikasi dan Pengendaliannya. Deepublish. Yogyakarta.
- Asturias, J.A., E. Eraso, I. Moneo & A. Martínez. 2000. Is tropomyosin an allergen in *Anisakis*? Allergy. 55 (9): 898–899.
- Audicana, M.T. & M.W. Kennedy. 2008. *Anisakis simplex*: from obscure infectious worm to inducer of immune hypersensitivity. Clin. Microbiol. Rev. 21 (2): 360-379.
- Audicana, M.T., I.J. Ansotegui, L.F. de Corres & M.W. Kennedy. 2002. *Anisakis simplex*: dangerous – dead and alive? Trends. Parasitol. 18 (1): 20–25.

- Baeza, M.L., J.M. Zubeldia & M. Rubio. *Anisakis simplex* allergy. *ACI Intern.* 13: 242-249.
- Bak, T.J., C.H. Jeon & J.H. Kim. 2014. Occurrence of anisakid nematode larvae in chub mackerel (*Scomber japonicus*) caught off Korea. *Int. J. Food Microbiol.* 191: 149-156.
- Baratawidjaja, K. 1993. Penyakit Alergi. Yayasan Penerbit IDI. Jakarta.
- Baratawidjaja, K.G. 2004. Antigen dan Antibodi. Balai Penerbit Fakultas Kedokteran Universitas Indonesia. Jakarta.
- Berland, B. 1961. Nematodes from some Norwegian marine fishes. *Sarsia.* 2 (1): 1-50.
- Blaxter, M.L., A.P. Page, W. Rudin & R.M. Maizels. 1992. Nematode surface coats: actively evading immunity. *Parasitol. Today.* 8 (7): 243-247.
- Bircher, A.J., B. Gysi, H.R. Zenklusen & R. Aerni. 2000. Eosinophilic oesophagitis associated with recurrent urticaria: Is there a worm (*Anisakis simplex*) in the rose. *Schweiz. Med. Wochenschr.* 130 (47): 1814-1819.
- Bollag, D.M. & S.J. Edelstein. 1991. Protein Method. Willey-Liss Inc. New York.
- Bos, J.D. 2006. Immunology of atopic dermatitis. Blackwell. London.
- Bosso, J.V. & D.M. Robertson. 2014. Urticaria, Angioedema, and Anaphylaxis Provoked by Food Additives. *Food Allergy: Adverse Reactions to Foods and Food Additives.* 5th Edition. John Wiley & Sons Ltd. 346-360 p.
- Buchmann, K. & J. Bresciani. 2001. An Introduction to Parasitic Disease of Freshwater Trout. DSR Publisher. Denmark.
- Bush, A.O., K.D. Lafferty, J.M. Lotz & A.W. Shostak. 1997. Parasitology meets ecology on its own terms: Margolis *et al.* revisited. *J. Parasitol.* 83 (4): 575-583.
- Caballero, M.L., I. Moneo, F. Gomez-Aguado, M.T. Corcuera, I. Casado & R. Rodriguez-Perez. 2008. Isolation of Ani s 5, an excretory-secretory and highly heat-resistant allergen useful for the diagnosis of *Anisakis* larvae sensitization. *Parasitol. Res.* 103 (5): 1231-1233.
- Caballero, M.L., A. Umpierrez, I. Moneo, & R. Rodriguez-Perez. 2011. Ani s 10, a new *Anisakis simplex* allergen: cloning and heterologous expression. *Parasitol. Int.* 60 (2): 209-212.
- Campbell & J.B. Reece. 2005. Biology. 7th Edition. Person Education, Inc. Fransisco.
- Carpenter, K.E. & V.H. Niem. 2001. FAO Species Identification Guide for Fishery Purpose. The Living Marine Resources of the Western Central Pacific. Food Agriculture Organization of United Nation. Rome.

- Cho, J., H. Lim, B.K. Jung, E.H. Shin & J.Y. Chai. 2015. *Anisakis pegreffii* larvae in sea eels (*Astroconger myriaster*) from the South Sea, Republic of Korea. Korean J. Parasitol. 53 (3): 349-353.
- Choi, S., J. Lee, M. Kim, G. Hur, S. Shin & H. Park. 2009. The clinical characteristics of *Anisakis* allergy in Korea. Korean J. Intern. Med. 24 (2): 160-163.
- Choi, S.H., J. Kim, J.O. Jo, M.K. Cho, H.S. Yu, H.J. Chae & M.S. Ock. 2011. *Anisakis simplex* larvae: infection status in marine fish and cephalopods purchased from the Cooperative Fish Market in Busan, Korea. Korean J. Parasitol. 49 (1): 39-44.
- Cohen, D.M., T. Inada, T. Iwamoto & N. Scialabba. 1990. FAO Species Catalogue Vol. 10. Gadiform Fishes of the World: An Annotated and Illustrated Catalogue of Cods, Hakes, Grenadiers and Other Gadiform Fishes (Order Gadiformes) Known to Date. Food Agriculture Organization of United Nation. Rome.
- Collete, B.B & C.E. Nauen. 1983. FAO Species Catalogue Vol. 2: Scombrids of the World: An Annotated and Illustrated Catalogue of Tunas, Mackerels, Bonitos and Related Species Known to Date.
- D'Amelio, S., K.D. Mathiopoulos, C.P. Santos, O.N. Pugachev, S.C. Webb, M. Picanco & L. Paggi. 2000. Genetic markers in ribosomal DNA for the identification of members of the genus *Anisakis* (nematoda: ascaridoidea) defined by polymerase chain reaction base restriction fragment length polymorphism. Int. J. Parasitol. 30 (2): 223-226.
- Daniel, P.S. 2000. Mechanisms of hypersensitivity. Prentice-Hall International incorporation. San Francisco.
- Daschner, A., A. Alonso-Gómez, T. Caballero, P. Barranco, J.M. Suarez-De-Parga & M.C. López-Serrano. 1998. Gastric anisakiasis: an underestimated cause if acute urticarial and angio-oedema?. Br. J. Dermatol. 139: 822-888.
- Daschner, A., A. Alonso-Gómez, R. Cabanas, J.M. Suarez-De-Parga & M.C. López-Serrano. 2000. Gastroallergic anisakiasis: borderline between food allergy and parasitic disease-clinical and allergologic evaluation of 20 patients with confirmed acute parasitism by *Anisakis simplex*. J. allergy Clin. Immunol. 105: 176-181.
- Diab, R.G., M. Mona, E. Temsahy, E.D. Elkerdany & M.R. Gaafar. 2011. A study of allergic sensitization to *Anisakis* species in experimental mice. Arch. Clin. Microbiol. 2 (3): 1-7.
- EFSA Panel on Biological Hazards (BIOHAZ). 2010. Scientific opinion on risk assessment of parasites in fishery products. EFSA J. 8 (4):1543
- Ernest, J.M. & Adelberg. 1996. Medical Microbiology. Alih bahasa: Mikrobiologi Kedokteran. Edisi 20. EGC. Jakarta.

- Faeste, C.K., K.R. Jonscher, M.M.W.B. Dooper, W. Egge-Jacobsen, A. Moen, A. Daschner, E. Egaas & U. Cristian. 2014. Characterization of potensial novel allergens in fish parasites *Anisakis simplex*. EuPA Open Proteom. 4: 140-155.
- Farias, I.P., G. Orti, I. Sampalo, H. Schneider & A. Meyer. 2001. The cytochrome b gene as a phylogenetic marker: the limits of resolution for analyzing relationships among Cichlid fishes. J. Mol. Evol. 53 (2): 89-103.
- Fernández-Rivas M. & R. Asero. 2014. Which foods cause food allergy and how is food allergy treated?, In: Taylor CBMWRCLM (Ed.). Risk Management for Food Allergy. Academic Press. San Diego. 25-43 p.
- Fitrian, K.L. 2018. Identifikasi dan Prevalensi *Anisakis* spp. pada Ikan Layur (*Trichiurus lepturus*) di Pantai Depok, Kabupaten Bantul, Daerah Istimewa Yogyakarta. Skripsi. Universitas Gadjah Mada. Yogyakarta.
- Franca, L.T.C., E. Carrilho & T.B.L. Kist. 2002. A review of DNA sequencing techniques. Q. Rev. Biophys. 35 (2): 169-200.
- Garcia, L.S. & D.A. Bruckner. 1988. Diagnostic medical parasitology. Elsevier Science Publishing. Alih bahasa: R. Makimian. 1996. Diagnostik parasitologi kedokteran. Penerbit Buku Kedokteran ECG. Jakarta.
- González-Fernández, J., A. Daschner, N.E. Nieuwenhuizen, A.L. Lopata, C.D. Frutos, A. Valls & C. Cuellar. 2015. Haemoglobin, a new major allergen of *Anisakis simplex*. Int. J. Parasitol. 45 (6): 399–407.
- Grunther, L.E. & H.A. Sampson. 2002. Atopic Dermatitis and Foods. Marcel Dekker. New York.
- Gutiérrez-Galindo, J.F., A.C. Osanz-Mur & M.T. Mora-Ventura. 2010. Occurrence and infection dynamics of anisakid larvae in *Scomber scombrus*, *Trachurus trachurus*, *Sardina pilchardus* and *Engraulis encrasicolus* from Tarragona (NE Spain). Food Control. 21: 1550-1555.
- Hafid, M.D. & H. Anshary. 2016. Keberadaan *Anisakis typica* (Anisakidae) dari ikan tongkol dan ikan layang dari perairan Sulawesi Barat. J. Sain Vet. 34 (1): 102-111.
- Hattersley, S. & R. Ward. 2014. Regulatory Controls for Food Allergens. Risk Management for Food Allergy. Academic Press. 273 p.
- Hernawati, R.D. 2015. Identifikasi Morfologi *Anisakis* pada Ikan di Pantai Utara Jawa. Tesis. Universitas Gadjah Mada. Yogyakarta.
- Hibur, O.S., A.I.R. Detha, J. Almet & Irmasuryani. 2016. Tingkat kejadian parasit *Anisakis* sp. pada ikan cakalang (*Katsuwonus pelamis*) dan ikan tongkol (*Auxis thazard*) yang dijual di tempat penjualan ikan Pasir Panjang Kota Kupang. J. Kaji. Vet. 4 (2): 40-51.

- Hidayati, N., M. Bakri, Rusli, Y. Fahrimal, M. Hambal & R. Daud. 2016. Identifikasi parasit pada ikan tongkol (*Euthynnus affinis*) di Tempat Pelelangan Ikan Lhoknga Aceh Besar. J. Medik. Vet. 10 (1): 5-8.
- HiMedia Laboratories. 2018. Hiper® Western Blotting Teaching Kit. HiMedia Laboratories. India.
- Hsiung, W.L. 1997. Molecular Evolution. University of Texas Health Science Center at Houston. Sinauer Associates Publisher. 01375 USA. 300 pp.
- Huh, Y., C. Park, D. Lee & S. Hwang. 2003. A study on the resources and ecology of walleye pollock (*Theragra chalcogramma*) in Korea. Presented in the Society of Korean Fishing Technology.
- Hurst, R.J. 1984. Identification and description of larval *Anisakis simplex* and *Pseudoterranova decipiens* (Anisakidae: Nematoda) from New Zealand Waters. New Zeal. J. Mar. Fresh. 18: 177-186.
- Iglesias, L., A. Valero, R. Banitez & F.J. Adroher. 2001. In vitro cultivation of *Anisakis simplex*: pepsin increases survival and moulting from fourth larval to adult stage. Parasitology. 123 (3): 285-291.
- Indaryanto, F.R., Y. Wardiatno & R. Tiuria. 2014. Struktur komunitas cacing parasitik pada ikan kembung (*Rastrelliger* spp.) di Perairan Teluk Banten dan Pelabuhan Ratu. J. Ilmu Pertan. Indonesia. 19 (1): 1-8.
- Indonesian Trade and Promotion Center (ITPC) Busan. 2016. Market brief ikan konsumsi di Korea Selatan. ITPC Busan, Busan.
- Jacob, E. & H.W. Palm. 2006. Parasites of commercially important fish species from the southern Java coast, Indonesia, including the distribution pattern of trypanorhynch cestodes. Verh. Ges. Ichtyol. 5: 165-191.
- Jackson, G.J. 1990. Public health and research perspectives on the microbial contamination of foods. J. Anim. Sci. 68: 884-891.
- Jebrida, J. 2017. Identifikasi ektoparasit pada ikan nila (*Oreochromis niloticus* L.) di Balai Benih Ikan (BBI) Bungus Kecamatan Teluk Kabung, Kota Padang, Provinsi Sumatera Barat. Skripsi. Universitas Andalas. Sumatera Barat.
- Jeon, C.H., E. Setyobudi, & J.H. Kim. 2016. Occurrence and molecular identification of anisakid nematodes isolated from pacific cod (*Gadus macrocephalus*) caught off Korea. Food Control. 69: 100-107.
- Kabata, Z. 1985. Parasites and Disease of Fish Cultured in the Tropics. Taylor & Francis. London.
- Kim, Y., J.T. Yoo, E. Lee, T.Y. Oh & D.W. Lee. 2011. Age and growth of largehead hairtail *Trichiurus lepturus* in the East China Sea. Korean J. Fish. Aquat. Sci. 44: 695-700.

- Kim, D., S. Kang & S. Kim. 2014. Market and consumption of walleye pollock in Korea, Fish Sci. 80: 213-218.
- Klimpel, S., H.W. Palm, S. Rückert & U. Piatkowski. 2004. The life cycle of *Anisakis simplex* in the Norwegian Deep (northern North Sea). Parasitol. Res. 94 (1): 1-9.
- Kobayashi, Y., K. Ohsaki, K. Ikeda, S. Kakemoto, S. Ishizaki & K. Shimakura. 2011. Identification of novel three allergens from *Anisakis simplex* by chemiluminescent immunoscreening of an expression cDNA library. Parasitol. Int. 60 (2): 144–150.
- Kobayashi, Y., K. Shimakura, S. Ishizaki, Y. Nagashima & K. Shiomi. 2007. Purification and cDNA cloning of a new heat-stable allergen from *Anisakis simplex*. Mol. Biochem. Parasitol. 155 (2): 138–145.
- Kobayashi, Y., S. Ishizaki, K. Shimakura, Y. Nagashima & K. Shiomi. 2007. Molecular cloning and expression of two new allergens from *Anisakis simplex*. Parasitol. Res. 100 (6): 1233–1241.
- Kobayashi, Y., S. Kakemoto, K. Shimakura, & K. Shiomi. 2015. Molecular cloning and expression of a new major allergen, Ani s 14, from *Anisakis simplex*. Shokuhin Eiseigaku Zasshi. 56 (5): 194–199.
- Kocher, T.D., W.K. Thomas, A. Meyer, S.V. Edwards, S. Paabo, F.X. Villablanca & A.C. Wilson. 1989. Dynamics of mitochondrial DNA evolution in animals: amplification and sequencing with conserved primers. Proc. Natl. Acad. Sci. U. S. A. 86 (16): 6196–6200.
- Kuby, J. 1997. Immunology. 3rd Edition. WH Freeman. New York.
- Larasati, H.F. 2017. Karakteristik morfologi dan molekuler layur (*Trichiurus* spp.) di perairan Selatan Yogyakarta. Skripsi. Universitas Gadjah Mada. Yogyakarta.
- Lovrien, R. & D. Matulis. 2005. Assays for Total Protein. Curr. Protoc. Microbiol. Appendix 3: Appendix 3A.
- Mineta, S., K. Shimanuki & A. Sugiura. 2006. Chronic anisakiasis of the ascending colon associated with carcinoma. J. Nippon Med. Sch. 73 (3): 169-174.
- Moneo, I., M.L. Caballero, F. Gómez, E. Ortega & M.J. Alonso. 2000. Isolation and characterization of a major allergen from the fish parasite *Anisakis simplex*. J. Allergy Clin. Immunol. 106 (1 Pt 1): 177–182.
- Moneo, I., M.L. Caballero, M. Gonzalez-Muñoz, A.I., Rodriguez-Mahillo, R. Rodriguez-Perez & A. Silva. 2005. Isolation of a heat-resistant allergen from the fish parasite *Anisakis simplex*. Parasitol. Res. 96 (5): 285-289.

- Moneo, I., N. Carballeda-Sangiao & M. Gonzalez-Munoz. 2017. New perspectives on the diagnosis of allergy to *Anisakis* spp. *Curr. Allergy Asthma Rep.* 17 (5): 1-11.
- Moreno-Ancillo, A., M.T. Caballero, R. Cabañas, J. Contreras, J.A. Martin-Barroso, P. Barranco & M.C. López-Serrano. 1997. Allergic reactions to *Anisakis* simplex parasitizing seafood. *Ann. Allergy Asthma Immunol.* 79 (3): 246-250.
- Muller, R. 1975. Worm and diseases. A manual of medical helminthology. William Heinemann Medical Books Limited. London. 92 p.
- Muttaqien, M.R. Akbar & M. Hambal. 2017. Identifikasi endoparasit pada ikan lele (*Clarias batrachus*) di Kecamatan Lhoknga Aceh Besar pasca tsunami. *JIMVET.* 1 (1): 024-033.
- Muttaqin, M.Z. & N. Abdulgani. 2013. Prevalensi dan derajat infeksi *Anisakis* sp. pada saluran pencernaan ikan kakap merah (*Lutjanus malabaricus*) di Tempat Pelelangan Ikan Brondong, Lamongan. *J. Sains dan Seni Pomits.* 2 (1): E-30-E33.
- Nadler, S.A., S. D'Amelio, M.D. Dailey, L. Paggi, S. Siu & J.A. Sakanari. 2005. Molecular phylogenetics and diagnosis of *Anisakis*, *Pseudoterranova* and *Contracaecum* from northern Pacific marine mammals. *J. Parasitol.* 91 (6): 1413-1429.
- Nakamura, I. & N.V. Parin. 1993. Snake mackerels and cutlassfishes of the world. *FAO Species Catalogue.* 125 (15): 105-107.
- Nelson, J.S. 2006. *Fishes of the world.* John Wiley & Sons. New Jersey.
- Nguyen, T.C.T., R. Son, A.R. Raha, O.M. Lai & C. Michael. 2009. Comparison of DNA extraction efficiencies using various methods for the detection of genetically modified organisms (GMO). *J. Intern. Food. Res.* 16: 21-30.
- Nurchahyo, W. 2014. *Parasit pada Ikan.* Gadjah Mada University Press. Yogyakarta.
- Nurhidayat, S.W., U. Nam & J. Kim. 2018. Occurrence of anisakid nematodes in walleye pollock (*Gadus chalcogrammus*) caught off the East Sea of Korea: their molecular identification and biological implication. *Ocean Sci. J.* 53 (4): 679-689.
- Ortega, J.D. & C.M. Cocera. 2000. Guidelines in Pathology Induced by *Anisakis*. *Alergol. Immunol. Clin.* 15: 267-272.
- Palm, H.W., I.M. Damriyasa, Lindaandl & B.M. Oka. 2008. Molekuler genotyping of *Anisakis* Djurdin 1845 (Nematode: Ascaridoidea: Anisakidae) larvae from marine fish of Balinese and Javanese Waters, Indonesia. *Helminthologia.* 45 (1): 3-12.

- Park, C.S., Y.S. Kim, H.J. Hwang & B.K. Hong. 1998. On the spawning and maturity of hairtail, *Trichiurus lepturus*, in the East China Sea. Bull. Natl. Fish. Res. Dev. Inst. 54: 19-25.
- Pérez-Pérez, J., E. Fernández-Caldas, F. Marañón, J. Sastre, M.L. Bernal & J. Rodríguez. 2000. Molecular cloning of paramyosin, a new allergen of *Anisakis simplex*. Int. Arch. Allergy Immunol. 123 (2): 120–129.
- Pozio, E. 2013. Integrating animal health surveillance and food safety: the example of *Anisakis*. Rev. Sci. Tech. Off. Int. Epiz. 32 (2): 487-496.
- Quaizon, K.M.A. 2009. Morphological differences between larvae and in vitro-cultured adults of *Anisakis simplex* (*sensu stricto*) and *Anisakis pegreffii* (Nematodes: Anisakidae). Parasitol. Int. 57 (4): 483-489.
- Quaizon, K.M.A., K. Zenke & T. Yoshinaga. 2013. Molecular characterisation and comparison of four *Anisakis* allergens between *Anisakis simplex sensu stricto* and *Anisakis pegreffii* from Japan. Molecular Biochem. Parasitol. 190: 23-26.
- Rahman, R.F., M. Bakrie, M. Hambal, E. Wardani, Y. Fahrimal, D. Aliza & H. Budiman. 2017. Identifikasi parasit pada cumi-cumi (*Loligo* spp.) di Tempat Pelelangan Ikan (TPI) Lampulo Banda Aceh. J. Medik. Vet. 11 (1): 35-38.
- Rahmawati. 2011. Identifikasi gen transgenic pada kedelai impor dan tempe di kota Malang. Skripsi. Universitas Brawijaya. Malang.
- Rahmawati, D. 2014. Studi identifikasi dan prevalensi cacing endoparasit pada ikan layur (*Trichiurus savala*) di Tempat Pelelangan Ikan (TPI) Brondong Kabupaten Lamongan. Skripsi. Universitas Airlangga. Surabaya.
- Rengganis, I., A. Hartana, E. Guhardja, S. Djauzi & S. Budiarti. 2008. Sensitivitas terhadap serbuk sari pada pasien alergi pernafasan. Majalah Kedokteran Indonesia. 58 (9): 328-334.
- Rhoads, M.L., R.H. Fetterer & J.F. Urban. 1997. Secretion an aminopeptidase during transition of third to fourth-stage larvae of *Ascaris suum*. J. Parasitol. 83 (5): 780–784.
- Rodriguez-Mahillo, A.I., M. Gonzalez-Muñoz, F. Gomez-Aguado, R. Rodriguez-Perez, M.T. Corcuera & M.L. Caballero. 2007. Cloning and characterisation of the *Anisakis simplex* allergen Ani s 4 as a cysteine-protease inhibitor. Int. J. Parasitol. 37: 907–917.
- Rodriguez-Mahillo, A.I., M. Gonzales-Munoz, C. de las Heras, M. Tejada & J. Moneo. 2010. Quantification of *Anisakis simplex* allergens in fish, longterm frozen, and cook fish muscle. Foodborne Pathog. Dis. 7 (8): 967-973.
- Rodriguez-Perez, R., I. Moneo, A. Rodriguez-Mahillo & M.L. Caballero. 2008. Cloning and expression of Ani s 9, a new *Anisakis simplex* allergen. Mol. Biochem. Parasitol. 159 (2): 92–97.

- Roitt, J., J. Brostoff & D. Male. 1998. Immunology. 5th Edition. Mosby International Ltd. London.
- Ryan, W.M. 2007. Allergies: Skin Testing of Allergies. WebMD. Chicago.
- Saitou, N. & M. Nei. 1987. The Neighbor-joining Method: A New Method for Reconstructing Phylogenetic Trees. Mol. Biol. Evol. 4 (4): 406-425.
- Sakanari, J.A. & J.H. McKerrow. 1989. Anisakiasis. Department of Pathology University of California. San Francisco California.
- Sakanari, J.A. & J.H. McKerrow. Identification of the secreted neutral proteases from *Anisakis simplex*. J. Parasitol. 76: 625-630.
- Sasmito, D.E.K., R. kurniawan & I. Muhimmah. 2014. Karakteristik primer pada *Polymerase Chain Reaction* (PCR) untuk sekuensing DNA: mini review. Seminar Nasional Informatika Medis V.
- Semarariana, I.W.Y., I.N.A. Suratma & I.B.M. Oka. 2012. Infeksi larva cacing *Anisakis* spp. pada ikan layur (*Trichiurus lepturus*). Indonesia Med. Vet. 1 (2): 293-304.
- Setyobudi, E., H. Senny & Soeparno. 2007. Infeksi *Anisakis* sp. pada ikan layur (*Trichiurus* sp.) di Pantai Selatan Kabupaten Purworejo. J. Perikan. IX (1): 142-148.
- Setyobudi, E., Soeparno & S. Helmiati. 2011. Infection of *Anisakis* sp. larvae in some marine fishes from the southern coast of Kulon Progo, Yogyakarta. Biodiversitas. 12 (1): 34-37.
- Setyobudi, E., C.H. Jeon, K. Choi, S.I. Lee, C.I. Lee, & J.H. Kim. 2013. Molecular identification of Anisakid nematodes third stage larvae isolated from common squid (*Todarodes pacificus*) in Korea. Ocean. Sci. J. 48 (2): 197-205.
- Shih, H.S. 2004. Parasitic heminth fauna of the cutlass fish, *Trichiurus lepturus* L., and the differentiation of four anisakid nematode third-stage larvae by nuclear ribosomal DNA sequences. Parasitol. Res. 93 (3): 188-195.
- Shin, Y. 2010. A study on the convention on the conservation and management of pollock resources in the central Bering Sea. J. Mar. Bus. 15: 81-118.
- Soedarto. 2012. Alergi dan Penyakit Sistem Imun. Sagung Seto. Jakarta.
- Soewarlan, L.C. 2016. Potensi alergi akibat infeksi *Anisakis typica* pada daging ikan cakalang. J. Teknol. & Industri Pangan. 27 (2): 200-207.
- Sohn, W., B. Na, T.H. Kim & T. Park. 2015. Anisakiasis: report of 15 gastric cases caused by *Anisakis* type I larvae and a brief review of Korean anisakiasis cases. Korean J. Parasitol. 53 (4): 465-470.

- Solas M.T., A.L. Rodriguez-Mahillo, M. Gonzales-Munoz, C. de las Heras & M. Tejada. 2008. *Anisakis* antigen detected in fish muscle with *Anisakis simplex* L3. J Food Prot. 71 (6): 1273-1276.
- Suadi, S. Helmiati & R. Widaningroem. 2007. Parasit *Anisakis* sp. pada populasi layur (*Trichiurus* sp.) yang didaratkan di Pelabuhan Ikan Cilacap. J. Fish. Sci. IX (2): 226-232.
- Sugena, K., S. Shu-Han & T. Matsuura. 1982. Radiolabelling of the excretory-secretory and somatic antigens of *Anisakis simplex* larvae. J. Helminthol. 66: 305-309.
- Suzuki, J., R. Murata, M. Hosaka & J. Araki. 2010. Risk factors for human anisakis infection and association between the geographic origins of *Scomber japonicus* and Anisakid nematodes. Int. J. Food Microbiol. 137 (1): 88-93.
- Tamba, M.F., I.M. Damriyasa, N.A. Suratma & S. Theisen. 2012. Prevalensi dan distribusi cacing pada berbagai organ ikan selar betong. Indonesia Med. Vet. 1 (4): 555-556.
- Tasma, I.M. 2015. Pemanfaatan teknologi sekuensing genom untuk mempercepat program pemuliaan tanaman. J. Penelitian dan Pengembangan Pertanian. 34 (4): 159-168.
- Taylor, S.L. & S.L. Hefle. 2006. Food allergen labeling in the USA and Europe. Curr. Opin. Allergy Clin. Immunol. 6 (3): 186-190.
- Tejada, M., M.T. Solas, N. Alfonso & M. Angel. 2006. Scanning electron microscopy of *Anisakis* larvae following different treatments. J. Food Prot. 69 (6): 1379-1387.
- Uga, S., K. Ono, N. Kataoka & H. Hasan. 1996. Seroepidemiology of five major zoonotic parasite infections in inhabitants of Sidoarjo, East Java, Indonesia. Southeast Asian J. Trop. Med. Public Health. 27 (3): 556-561.
- Umehara, A., Y. Kawakami, H.K. Ooi, A. Uchida, H. Ohmae & H. Sugiyama. 2010. Molecular identification of *Anisakis* type I isolated from hairtail fish off the coasts of Taiwan and Japan. Int. J. Food Microbiol. 143 (3): 161-165.
- Ventura, M.T., R.A. Tummo, E. Di Leo, M. D'Ersasmo & A. Arsieni. 2008. Immediate and cell-mediated reactions in parasitic infections by *Anisakis simplex*. J. Investing Allergol Clin. Immunol. 18 (4): 253-259.
- Wastomi, Z.N., N.D.R. Lastuti, R. Ernawati, L.T. Suwanti, S. Koesdarto, Mufasirin & H.M. Raharjo. 2018. Antigenic protein profile of *Anisakis* spp. (secernentea: ascaridia: anisakidae) larvae isolated from mackerel tuna fish (*Euthynnus affinis*) (actinopterygii: scombriformes: scombridae). Philipp. J. Vet. Med. 55 (SI): 85-90.
- Wild, G. 2006. Immunology and immunotoxicology. Di dalam: Duffus JH, Wortg GJ, editor. Fundamental Toxicology. CRC Pr. New York. 151-160 p.

- Winter, W.E., N.S. Hardt & S. Fuhrman. 2000. Immunoglobulin E: Importance in parasitic infections and hypersensitivity responses. *Arch. Pathol. Lab Med.* 124 (9): 1382-1385.
- Yamada, U. 1964. On the distribution and migration of the ribbon fish, *Trichiurus lepturus* Linnaeus in the East China and the Yellow Seas by fish size. *Bull. Seikai. Reg. Fish. Res. Lab.* 184: 135-137.
- Year, H., S. Andiva, C. Perret, D. Limmone, P. Boireau & J. Dupouy-Camet. 2003. Development and evaluation of a western blot kit for diagnosis of human trichinellosis. *Clin. Diagn. Lab Immunol.* 10 (5): 793-796.
- Yman, L. 2003. Spesifik IgE in the diagnosis of parasite-induced allergy. *Allergy.* 59: 14-17.
- Yoon, J-M. 2013. Genetic variations between hairtail (*Trichiurus lepturus*) populations from Korea and China. *Dev. Reprod.* 17 (4): 363-367.
- Yuwono, T. 2010. Teori dan Aplikasi *Polymerase Chain Reaction*. Penerbit Andi. Yogyakarta.
- Zarry, M.G., M. Hambal & N.A. Zuhrawaty. 2017. Identifikasi endoparasit pada ikan jebong (*Abalistes stellaris*) di Tempat Pelelangan Ikan (TPI) Lampulo Kota Banda Aceh. *JIMVET.* 1 (2): 188-195.
- Zhu, X., R.B. Gasser, M. Podolska & N.B. Chilton. 1998. Characterisation of anisakid nematodes with zoonotic potential by nuclear ribosomal DNA sequences. *Int. J. Parasitol.* 28 (12): 1911-1921.
- Zubaidy, A. 2010. Third-stage larvae of *Anisakis simplex* (Rudolphi, 1809) in the Red Sea Fishes, Yemen Coast. *JKAU.* 21 (1): 95-112.