DAFTAR PUSTAKA

Akhtar, M., Razza, A. B., Iram, N., Chaudry, M. I., & Azzeem, M. 2015. Effect of infestation of *Sitophilus oryzae* L. (Coleoptera: Curculionidae) on protein quality of rice under storage conditions. *International Journal of Agricultural and Applied Sciences*, 7(1), 43–45.

Anggara, A. W., & Sudarmaji. 2008**.** Hama pascapanen padi dan pengendaliannya. Dalam A. A. Darajat, A. Setyono, A. K. Makarim, & A. Hasanuddin (Ed.), *Padi: Inovasi teknologi produksi* (hlm. 441–472). Jakarta: Balai Besar Penelitian Tanaman Padi, LIPI Press.

Antika, S. R. V., Astuti, L., P., & Rachmawati, R. 2014. Perkembangan *Sitophilus oryzae* Linnaeus (Coleoptera: curculionidae) pada berbagai jenis pakan. *Jurnal HPT*, 2(4), 77-84.

Arbogast, R.T. 1976. Problems of stored products entomology in Britain arising out of the biology of *Oryzaephilus surinamensis* (L.) and *O. mercator* (Fauv.). *Journal of Stored Products Research*, 12(4): 215–221.

Arthur, F.H. 2001. The biology and behavior of *Oryzaephilus surinamensis* (L.) (Coleoptera: Silvanidae). *Journal of Stored Products Research* 37(4): 307–317.

Ashamo, M. O. 2006. Relative susceptibility of some local and elite rice varieties to the rice weevil, *Sitophilus oryzae* L. (Coleoptera: Curculionidae). *Journal of Food, Agriculture and Environment*, 4(1), 249.

Astawan, M. 2004. *Sehat Bersama Aneka Serat Pangan Alami*, PT Tiga Serangkai, Solo.

Astuti, L. P., Rizali, A., Firnanda, R., & Widjayanti, T., 2020. Physical and chemical properties of flour products affect the development of *Tribolium castaneum*, *Journal of Stored Products Research*, 86, 101555.

Asti, M., Herlinda, S., Yulistin, E., Setyawati, A., & Anggraini, E. 2024. Populasi dan spesies serangga hama di gudang dengan penciri lantai dan pintu yang berbeda ditiga pasar lokal di Kecamatan Kemuning dan Sako, Kota Palembang, Sumatera Selatan. Dalam *Prosiding Seminar Nasional Lahan Suboptimal ke-12 Tahun 2024*, Palembang, 21 Oktober 2024, "Revitalisasi Lahan Suboptimal Secara Berkelanjutan Berbasis Pertanian Presisi dan Pemberdayaan Petani Milenial" (hlm. 143–155).

Atungulu, G. G., Kolb, R. E., Karcher, J., & Shad, Z. M. 2019. Postharvest technology: Rice storage and cooling conservation. In J. Bao (Ed.), *Rice: Chemistry and Technology* (4th ed., pp. 517–555). Elsevier.

Back, E. A., & Cotton, R. T. 1926. *Biology of the saw-toothed grain beetle*,

Oryzaephilus surinamensis Linne. *Journal of Agricultural Research*, 33(5), 435–450.

Badan Pusat Statistik. 2024. Luas Panen Padi dan Produksi Padi di Indonesia. Badan pusat statistic Indonesia.

Bamisile, B. S., Akintunde, A. I., Oduola, A. O., Akinyemi, A. O., & Ogbuagu, M. N. 2014. Evaluation of damage and losses caused by the maize weevil, *Sitophilus zeamais* (Motschulsky) (Coleoptera: Curculionidae), on different varieties of maize in storage. *International Journal of Agriculture Innovations and Research*, 3(2): 606–611.

Beckett, S.A., & Evans, K.A. 1994. The effect of constant temperature and humidity on the development and fecundity of *Oryzaephilus surinamensis* (L.) (Coleoptera: Silvanidae). *Journal of Stored Products Research*, 30(1): 11–18.

Bell, C.H., & Kerslake, R.L. 1986. Circadian rhythms in the feeding activity of *Oryzaephilus surinamensis* adults. *Journal of Stored Products Research* 22(2): 105–112.

Booroto, L. A., Goo, N., & Noya, S. H. 2017. Populasi imago *Sitophilus oryzae* L. (Coleoptera: Curculionidae) pada beberapa jenis beras asal Desa Waimital Kecamatan Kairatu. *Jurnal Budidaya Pertanian*, 13(1), 36-41.

Bousquet, Y., 1990. *Beetles Associated with Stored Products in Canada: An Identification Guide*, Biosystematics Research Centre, Ottawa.

Breese, W.A. 1961. The biology of *Oryzaephilus surinamensis* and its control in grain storage. *Annals of Applied Biology* 49(1): 125–130.

Bulog, 2012. *Hama Gudang dan Teknik Pengendaliannya*, Perum Bulog, Jakarta, pp. 75.

Campbell, J. F., & Runnion, C. (2003). The ecology and behavior of beetles in stored grain: A review. *Journal of Stored Products Research*, 39(1), 1–13. https://doi.org/10.1016/S0022-474X(02)00012-2.

Campbell, J. F., Toews, M. D., Arthur, F. H., & Arbogast, R. T. 2010. Long-term monitoring of *Tribolium castaneum* in two flour mills: Seasonal patterns and impact of fumigation. *Journal of Economic Entomology*, 103(3), 991–1001.

Curtis, C.F., & Clark, S.J. 1974. The effects of temperature and humidity on the reproduction of stored product insects. *Journal of Stored Products Research*, 10(3): 157–165.

Devi, M. B., & Devi, N. 2015. Biology of rusted flour beetle, Tribolium castaneum (Herbst) (Tenebrionidae: Coleoptera). *Indian Journal of Entomology*, 77(1): 81-82.

Dharmaputra OS, Halid H, & Sunjaya. 2014. Serangan *Tribolium castaneum* pada beras dipenyimpanan dan pengaruhnya terhadap serangan cendawan dan susut bobot. *Jurnal Fitopatologi Indonesia*. 10(4), 126– 132.

Ditjen Perkebunan. 2019. *Statistik Perkebunan Indonesia: Pala (Nutmeg).* Jakarta: Ditjen Perkebunan, Kementerian Pertanian.

Elfidasari, D. 2007. Jenis interaksi intraspesifik dan interspesifik pada tiga jenis kuntul saat mencari makan di sekitar Cagar Alam Pulau Dua Serang, Provinsi Banten. *Biodiversitas,* 8(4), 266–269.

Emery, R. N., & Nayak, M. K. 2007. Cereals: Pests of stored grains (pp. 40–62). Dalam P. T. Bailey (Ed.), *Pests of field crops and pastures: Identification and control*. CSIRO Publishing.

Fedina, T. Y., & Lewis, S. M. 2007. Effect of *Tribolium castaneum* (Coleoptera: Tenebrionidae) nutritional environment, sex, and mating status on response to commercial pheromone traps. *Journal of Economic Entomology,* 100(6), 1924–1927.

Food and Agriculture Organization of the United Nations (FAO). 2018. *Food and Agriculture Organization.*

Fraenkel, G., & Blewett, M. 1943. The natural foods and the food requirements of several species of stored product insects. *Transactions of the Royal Entomological Society of London*, 93, 457–490

Global Biodiversity Information Facility. 2017. *Oryzaephilus surinamensis* (Linnaeus, 1758).

Halstead, D. G. H. 1963. External-feeding storage pests of stored cereals and their control. *Annals of Applied Biology*, 51(2), 1–12. https://doi.org/10.1111/j.1744-7348.1963.tb03766.x.

Harianja, S. H. P. 2018. Pertumbuhan dan perkembangan *Oryzaephilus surinamensis* L.) (Coleoptera: Silvanidae) pada beras dengan suhu penyimpanan yang berbeda. Skripsi. Malang: Universitas Brawijaya.

Hashem, M.Y., Ahmed, S.S., El-Mohandes, M.A., & Gharib, M.A. 2012. Susceptibility of different life stages of saw-toothed grain beetle *Oryzaephilus surinamensis* (L.) (Coleoptera: Silvanidae) to modified atmospheres enriched with carbon dioxide. *Journal of Stored Product Research* 48(1): 46–51.

Hassan, H. B. H., Zinhoum, R. A., & Kassem, E. M. K. 2020. Suitability of different types of food stuffs for mass rearing of rice moth, Corcyra cephalonica (Stainton) and saw-toothed grain beetle, *Oryzaephilus surinamensis* (L.) under laboratory conditions. *Egyptian Journal of Agricultural Research*, 98(2), 288–301.

Hendrival, & Rangkuti, R. R. (2020). Interaksi antar spesies hama pascapanen pada gandum. *Agriprima: Journal of Applied Agricultural Sciences*, 4(2), 136–145. https://doi.org/10.25047/agriprima.v4i2.350

Hendrival, H., & Melinda, L. 2017. Pengaruh kepadatan populasi *Sitophilus oryzae* (L.) terhadap pertumbuhan populasi dan kerusakan beras. *Biospecies*, 10(1), 17–24.

Hendrival, Khaidir & Nurhasanah. 2019. Pertumbuhan populasi *sitophilus oryzae* L. (coleoptera: curculionidae) dan karakteristik kehilangan bobot pada beras. *Jurnal Agrista*, 23(2), 64-75.

Hendrival, Latifah, D., Saputra, D., & Orina. 2016. Kerentanan jenis tepung terhadap infestasi kumbang tepung merah (*Tribolium castaneum* Herbst) (Coleoptera: Tenebrionidae). *Jurnal Agrikultura*, 27(3), 148–153.

Hendrival, & Mayasari, E. 2017. Kerentanan dan kerusakan beras terhadap serangan hama pascapanen *Sitophilus zeamais* L. (Coleoptera: Curculionidae). *Jurnal Agro*, 4(2), 68–79.

Hill, D.S. 2003. *Pests of Stored Grain and Their Control*. 2nd Edition. Springer, Dordrecht.

Howe, R.W. 1956. The biology of the two common storage species of *Oryzaephilus* (Coleoptera: Cucujidae). *Annals of Applied Biology*, 44(2): 341–355.

Isnaini, M., Pane, E. R., & Wiridianti, S. 2015. Pengujian beberapa jenis insektisida nabati terhadap kutu beras (*Sitophilus oryzae* L.). *Jurnal Biota*, 1(1), 1–8.

Jacob, R.S., & Fleming, R.A. 1989. Effects of temperature extremes on egg development and survival of stored-product insects. *Journal of Stored Products Research* 25(2): 123–130.

Kalshoven, L. G. E., 1981. *The pest of crops in Indonesia*. revised and translated by p.a. van der laan. Jakarta: PT. Ichtiar Baru-Van Hoeve.

Khair, A. S. M. 2002. *Studies on the Biology of the Red Flour Beetle Tribolium castaneum Herbst (Coleoptera: Tenebrionidae) in Different Cereal Flours*. University of Khartoum.

Kousar, R., Ahmad, M., Khan, N., & Hussain, M. 2021. Egg hatchability rates of stored-date pests on semi-dry and dry dates of the same cultivar. *Journal of Food Science and Technology* 58(4): 1234–1241.

Kuswandi, R. A., & Maimunah, S. 2013. *Buku Ajar Hama Tanaman Pertanian*. Medan: Universitas Medan Area.

Kedia, A., Prakash, B., Mishra, P. K., & Dubey, N. K. 2015. Antifungal and

antiaflatoxigenic properties of Cinnamomum zeylanicum Blume essential oil and its efficacy as a preservative in stored commodities. *International Biodeterioration & Biodegradation*, 97, 97–104. https://doi.org/10.1016/j.ibiod.2014.10.024

Longstaff, B. C. 1981. Biology of the grain pest species of the genus *Sitophilus* (Coleoptera: Curculionidae): A critical review. *Protection Ecology*, *2*, 82-130.

Lopulalan, C. G. C. 2010. Analisa ketahanan beberapa varietas padi terhadap serangan hama gudang (*Sitophilus zeamais* Motschulsky). *Jurnal Budidaya Pertanian*, 6(1), 11–16.

Manueke, J. 2012. *Studi preferensi, karakter morfologi, dan profil DNA Sitophilus* spp. (Coleoptera: Curculionidae) pada komoditas pascapanen [Skripsi]. Universitas Sam Ratulangi, Manado.

Manueke, J., & Pelealu, J. 2015. Ketertarikan hama *Sitophilus oryzae* pada beras, jagung pipilan, kacang tanah, kacang kedelai, dan kopra. *Eugenia*, 21(2), 70–79.

Mario, M., B. 2017. Preferensi dan biologi *Oryzaephilus surinamensis* (L.) (Coleoptera: Silvanidae) pada beras putih, merah, dan hitam dalam bentuk butiran utuh dan tepung. Skripsi. Malang: Universitas Brawijaya.

Mason, L.J. 1992. Age-related fecundity and patterns of egg laying in *Oryzaephilus surinamensis* (Coleoptera: Silvanidae). *Environmental Entomology*, 21(3), 587–592.

Mastuti, R. D., Subagiya & Wijayanti, R. 2020. Serangan *Sitophilus oryzae* pada beras dari beberapa varietas padi dan suhu penyimpanan. *Jurnal Penelitian Agronomi*, 22(1), 16-20.

McKay, T., Bowombe-Toko, M. P., Starkus, L. A., Arthur, F. H., & Campbell, J. F. 2019. Monitoring of *Tribolium castaneum* (Coleoptera: Tenebrionidae) in rice mills using pheromone-baited traps. *Journal of Economic Entomology*, 112, 1454–1462.

Myers, P., Espinosa, R., Parr, C. S., Jones, T., Hammond, G. S., & Dewey, T. A. 2023. *The Animal Diversity Web* [Database online]. https://animaldiversity.org pada 21 Juli 2025.

Nansen, C., Flinn, P., Hagstrum, D., Toews, M. D., & Meikle, W. G. 2009. Interspecific associations among stored-grain beetles. *Journal of Stored Products Research*, 45, 254–260. https://doi.org/10.1016/j.jspr.2009.04.005

Nika, H., Sari, R.P., & Putra, A. 2020. Pengaruh substrat dan suhu terhadap oviposisi dan perkembangan *Oryzaephilus surinamensis* pada bahan

pangan tersimpan. *Jurnal Perlindungan Tanaman Indonesia* 24(2): 89–96.

Osman, A. Z., Magda, B. E., Hossam, F. E., Salwa, M. S. A., & Marwa, I. M. 2012. Biological and genetical studies on the rice weevil, *Sitophilus oryzae* (L.) (Curculionidae: Coleoptera) in Egypt. *Research Journal of Agriculture and Biological Sciences*, 8(2), 92–97.

Park, I.K., Lee, S.G., Choi, D.H., Park, J.D., & Ahn, Y.J. 2003. Inticidal activity of constituents identified in the essential oil from leaves of *Chamaecyparis obtuse* against *Callosobruchus chinensis* (L.) and *Sitophilus oryzae* (L.). *Journal of Stored Products Research* 39(4): 375–384.

Pavithra, S., Devi, T., Kuna, A., & Rani, R. 2024. Nutritional properties of fortified rice (PDS) distributed at KGBV hostels of Telangana State, India. *European Journal of Nutrition & Food Safety*, 16(8), 262–267. https://doi.org/10.9734/ejnfs/2024/v16i81513

Peng, W. K., & Rejesis, B. M. 1988. Grain storage insect. Dalam M. S. Swaminathan (Ed.), *Proceeding of the International Workshop on Rice Seed Health* (hal. 164–177). Manila, Philippines.

Phillips, T. W., & Throne, J. E. 2010. Biorational approaches to managing stored-product insects. *Annual Review of Entomology*, 55, 375–397.

Pratama, A. R., Wiradimadja, R., & Hernaman, I. 2020. Pengaruh bahan pakan terhadap jumlah *Tribolium castaneum* dan susut bobot pakan dalam penyimpanan. *Jurnal Sumber Daya Hewan.* 1(1), 1-5.

Rahayu, J., Bodang, Y., Sutiharni, Tanati, A. E., & Suparno, A. 2020. Inventarisasi dan identifikasi hama utama kedelai pada fase pertumbuhan generatif tanaman kedelai (*Glycine Max* (L.) Merril) di Kebun Percobaan Manggoapi Fakultas Pertanian Universitas Papua. *Agrotek*, 8(1), 21–29.

Ramadhan, N. T., & Astuti, L. P. 2023. Pertumbuhan populasi *Rhyzopertha dominica* (F.) dan *Oryzaephilus surinamensis* (L.) dalam asosiasi pada beras merah, putih, dan hitam. *Jurnal HPT*, 11(3), 99-108.

Ramadhanti, D. 2020. *Efektivitas tepung daun mengkudu (Morinda citrifolia L.) sebagai pengendali hama bubuk beras (Sitophilus oryzae* L.*) secara in vitro* [Skripsi]. Universitas Islam Negeri Sultan Syarif Kasim, Riau. 54 hal.

Ratnawati. 2012. Pengaruh penambahan agar-agar terhadap tingkat kesukaan, kadar serat, dan indeks glikemik nasi putih. *Media Gizi Masyarakat Indonesia*, 2(1), 38-44.

Rawat, P., Shankhdhar, D., & Shankhdhar, S. C. 2020. Plant growth-promoting rhizobacteria: A booster for ameliorating soil health and agriculture production. Dalam B. Giri & A. Verma (Ed.), *Soil health* (hal. 47–68). Springer, Cham.

Rees, D. 2004. *Insects of stored products*. CSIRO Publishing, Collingwood, Australia.

Rimbing, S. C. 2015. Keanekaragaman jenis serangga hama pasca panen pada beberapa makanan ternak di Kabupaten Boolang Mongondow. *Jurnal Zootek*, 35(1), 164-177.

Robinson, W. H. 2005. *Handbook of urban insect and arachnids*. Cambridge University Press, Cambridge.

Sarwar, M. 2015. Categorization of some advanced local wheat lines against *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *International Journal of Science and Engineering*, 1(3), 108–113.

Shang, L., He, W., Wang, T., Yang, Y., Xu, Q., Zhao, X., Yang, L., Zhang, H.-C., Li, X., Lv, Y., Chen, W., Cao, S., Wang, X., Zhang, B., Liu, X. P., Yu, X., He, H., Wei, H., Leng, Y., Shi, C., Guo, M., Zhang, Z., Zhang, B., Yuan, Q., Qian, H., Cao, X., Cui, Y., Zhang, Q., Dai, X., Liu, C., Guo, L., Zhou, Y., Zheng, X., Ruan, J., Cheng, Z., Pan, W., & Qian, Q. 2023. A complete assembly of the rice Nipponbare reference genome. *Molecular Plant*. Advance online publication. https://doi.org/10.1016/j.molp.2023.08.003

Singh, P., Satya, S., & Naik, S. N.2013. Effect of insect infestation on quality parameters of wheat. *International Conference on Food and Agricultural Sciences*, 55, 79-82.

Sinha, R. N., & Watters, F. L. 1985. Insect pests of flour mills, grain elevators, and feed mills and their control. Agriculture Canada Publication No. XXXX. (*Agriculture Canada*).

Sjam, S. 2014. Hama pascapanen dan strategi pengendaliannya. IPB Press, Bogor.

Sreeramoju, P., Prasad, M. S. K., & Lakshmipathi, V. 2016. Complete study of life cycle of *Tribolium castaneum* and its weight variations in the developing stages. *Journal of Plant, Animal, and Environmental Sciences*, 6(2), 95–100.

Srivastava, S., & Awasthi, S. 2022. Behavioral activities of *Sitophilus oryzae* with relation to quality deterioration in basmati rice. *The Review of Contemporary Scientific and Academic Studies*, 2(6), June 2022.

Syafaat, A., Bakhtiar, Jahuddin, R., & Suriani. 2021. Uji Preferensi *Tribolium castaneum* pada beberapa varietas padi dan kadar air. *Agriculture System Journal*, 1(1), 7-10.

Thomas, F.N., & Shepard, H. 1940. Studies on the biology of the saw-toothed grain beetle, *Oryzaephilus surinamensis* (L.). *Annals of the Entomological Society of America* 33(2): 196–202.

Trematerra, P. 2004. Spatio-temporal analysis of insect pests infesting a paddy rice storage facility. *Neotropical Entomology*, 33(4), 469–479.

Wagiman, F. X. 1999. *Hama pascapanen dan pengelolaannya*. Yogyakarta: Gadjah Mada University Press.

Wagiman, F. X. 2016. *Hama pascapanen dan pengelolaannya*. Gadjah Mada University Press.

Wagiman, W., Rahayu, S., & Raharjo, B. 2017. Asosiasi antara Sitophilus oryzae (Coleoptera: Curculionidae) dan *Tribolium castaneum* (Coleoptera: Tenebrionidae) pada beras simpanan. *Jurnal Perlindungan Tanaman Indonesia*, 21(1), 1–7. https://doi.org/10.22146/jpti.12348.

Weston, P. A., & Rattlingourd, P. L. 2000. Progeny production by *Tribolium castaneum* (Coleoptera: Tenebrionidae) and *Oryzaephilus surinamensis* (Coleoptera: Silvanidae) on maize previously infested by *Sitotroga cerealla* (Lepidoptera: Gelechiidae). *Journal of Economic Entomology*, 93, 533–536.

Winarno, F. G. 2006. *Hama gudang dan teknik pemberantasannya*. Bogor: M-BRIO Press.

Zhang, X., Li, Y., & Wang, Z. 2023. Behavioral patterns and population growth of *Sitophilus oryzae* on different rice varieties. Journal of Agricultural Pest Management, 15(2), 123-135.