

DAFTAR PUSTAKA

- Arsin, A. A., 2016, *Epidemiologi Filariasis di Indonesia*, Edited by A. Duhri. Makasar: Masagena Press.
- Astuti, E. P., Hendri, J., Ipa, M., Ruliansyah, A., and Garjito, T. A., 2023, “Vector Surveillance for Lymphatic Filariasis After Mass Drug Administration in an Endemic Area: A Case Study in Bekasi”, *Jurnal Kesehatan Lingkungan*, 15(2), pp. 134–142. <https://doi.org/10.20473/jkl.v15i2.2023.134-142>
- Balai Besar Penelitian dan Pengembangan Vektor dan Reservoir Penyakit, 2013, *Atlas vektor penyakit di Indonesia*. Salatiga: Kementerian Kesehatan RI, pp. 1–150.
- Balai Besar Penelitian dan Pengembangan Vektor dan Reservoir Penyakit, 2017, *Pedoman Pengumpulan Data Vektor (Nyamuk) di Lapangan*, Balai Besar Penelitian dan Pengembangan Vektor dan Reservoir Penyakit. Salatiga, pp. 1–188.
- Balestrino, F., Puggioli, A., Maccaferri, M., Alberti, A., Carrieri, M., Bouyer, J., and Bellini, R., 2022, “Field Performance Assessment of Irradiated *Aedes albopictus* Males through Mark–Release–Recapture Trials with Multiple Release Points”, *Frontiers in Bioengineering and Biotechnology*, 10, 937021. <https://doi.org/10.3389/fbioe.2022.937021>
- Bellini, R., Albieri, A., Balestrino, F., Carrieri, M., Porretta, D., Urbanelli, S., Calvitti, M., Moretti, R., and M. S., 2010, “Dispersal and Survival of *Aedes albopictus* (Diptera: Culicidae) Males in Italian Urban Areas and Significance for Sterile Insect Technique Application”, *J Med Entomol.*, 47(6), pp. 1082–1091. doi: 10.1603/me09154.
- Benedict, M. Q., Charlwood, J. D., Harrington, L. C., Lounibos, L. P., Reisen, W. K., and Tabachnick, W. J., 2018, “Guidance for Evaluating the Safety of Experimental Releases of Mosquitoes, Emphasizing Mark-Release-Recapture Techniques”, *Vector Borne and Zoonotic Diseases*, 18(1), pp. 39–48. <https://doi.org/10.1089/vbz.2017.2152>
- Beni Ernawan, Tjandra Anggraeni, Sri Yusmalinar, Intan Ahmad, 2022, “Investigation of Developmental Stage/Age, Gamma Irradiation Dose, and Temperature in Sterilization of Male *Aedes aegypti* (Diptera: Culicidae) in a Sterile Insect Technique Program”, *Journal of Medical Entomology*, Volume 59, Issue 1, Pages 320–327, <https://doi.org/10.1093/jme/tjab166>

- Bhattacharya, S., Basu, P., and Sajal Bhattacharya, C., 2016, “The Southern House Mosquito, *Culex quinquefasciatus*: Profile of a Smart Vector”, *Journal of Entomology and Zoology Studies JEZS*, 73(42), pp. 73–81.
- Bizhani, N., Hashemi Hafshejani, S., Mohammadi, N., Rezaei, M., and Rokni, M. B., 2021, “Lymphatic Filariasis in Asia: A Systematic Review and Meta-Analysis”, *Parasitology Research*, 120(2), pp. 411–422. <https://doi.org/10.1007/s00436-020-06991-y>
- Centers for Disease Control and Prevention, 2024, *Mosquito Surveillance Software: PooledInfRate and PoolScreen*. <https://www.cdc.gov/westnile/resourcepages/poolscreen.html>
- Cho, S. H., Lee, H. W., Shin, E. H., Lee, H. I., Lee, W. G., Kim, C. H., Kim, J. T., Lee, J. S., Lee, W. J., Jung, G. G., and Kim, T. S., 2002, “A Mark-Release-Recapture Experiment with *Anopheles sinensis* in the Northern Part of Gyeonggi-do, Korea”, *Korean Journal of Parasitology*, 40(3), pp. 139–148. <https://doi.org/10.3347/kjp.2002.40.3.139>.
- Culbert, N.J., Kaiser, M., Venter, N., Vreysen, M.J.B., Gilles, J.R.L. and Bouyer, J., 2020, “A Standardised Method of Marking Male Mosquitoes with Fluorescent Dust”, *Parasites and Vectors*, 13(1), 1–11
- Das, P. K., and Shenoy, R. K., 2016, *Helminthic Diseases: Filariasis*. Second Edi, International Encyclopedia of Public Health: Elsevier. doi: 10.1016/B978-0-12-803678-5.00203-4.
- Departemen Kesehatan RI 1989. *Kunci Identifikasi Culex Jentik dan Dewasa di Jawa*. Jakarta: Departemen Kesehatan RI.
- Cromwell, E. A., Bailey, F., Cole, M. B., Ferguson, L., Fox, L., Gallagher, L. M., Hennessey, K., Henry, N. J., Hilton, C., Joseph, J., Larson, S. L., Litvin, K., May, A., Mensah, G. A., Muriithi, M. K., Nandram, N., Reiner, R. C., Rolfe, S., Sandaradura, I., ... Hay, S. I., 2020, “The Global Distribution of Lymphatic Filariasis, 2000–18: A Geospatial Analysis”. *The Lancet Global Health*, 8(9), e1186–e1194. [https://doi.org/10.1016/S2214-109X\(20\)30286-2](https://doi.org/10.1016/S2214-109X(20)30286-2)
- Dickens, B. L., Brant, H. L., 2014, “Effects of Marking Methods and Fluorescent Dusts on *Aedes aegypti* Survival”, *Parasites and Vectors*, 7(1): 1–9. <https://doi.org/10.1186/1756-3305-7-65>
- Dinas Kesehatan Provinsi Jawa Tengah 2021. *Profil Kesehatan Jawa Tengah Tahun 2021*, Semarang: Dinas Kesehatan Provinsi Jawa Tengah.
- Evans, T. P. O., & Bishop, S. R., 2014, “A Spatial Model with Pulsed Releases to Compare Strategies for the Sterile Insect Technique Applied to the Mosquito

Aedes aegypti”, *Mathematical Biosciences*, 254, 6–27.
<https://doi.org/10.1016/j.mbs.2014.05.006>

Farajollahi, A., Fonseca, D.M., Kramer, L.D. and Kilpatrick, A., 2011, “Bird Biting Mosquitoes and Human Disease: A Review of the Role of *Culex pipiens* Complex Mosquitoes in Epidemiology”. *Infec. Genet. Evol.* 11(7), 1577–1585

Food and Agriculture Organization of the United Nations/International Atomic Energy Agency 2023. *Guidelines for Mark-Release-Recapture Procedures of Aedes Mosquitoes version 2*, Food and Agriculture Organization of the United Nations/International Atomic Energy Agency. Vienna, Austria: Food and Agriculture Organization of the United Nations/International Atomic Energy Agency.

Ginandjar, P., Saraswati, L. D., Suparyanto, D., Sakundarno, M., and Supali, T., 2018, “The Prevalence of Lymphatic Filariasis in Elementary School Children Living in Endemic Areas: A Baseline Survey Prior to Mass Drug Administration in Pekalongan District-Indonesia”, *Iranian Journal of Public Health*, 47(10), pp. 1484–1492

Guerra, C.A., Reiner Jr, R.C., Perkins, T.A., Lindsay, S.W., Midega, J.T., Brady, O.J., Barker, C.M., Reisen, W.K., Harrington, L.C., Takken, W., Kitron, U., Lloyd, A.L., Hay, S.I., Scott, T.W. and Smith, D.L., 2014, “A Global Assembly of Adult Female Mosquito Mark-Release-Recapture Data to Inform the Control of Mosquito-Borne Pathogens”, *Parasites and Vectors*, 7(1), 1–15

Hapugoda, M., Gunawardena, N. S., Ranathunge, T., Bouyer, J., Maija, H., Karunathilake, K., Withanage, G. P., Weerasekera, I., De Souza, R. B., & Harischandra, J., 2024, “Mark–Release–Recapture (MRR) of Sterile Male *Aedes albopictus* (Skuse) in Sri Lanka: Field Performance of Sterile Males and Estimation of the Wild Mosquito Population Density”, *Insects*, 15(7), 646. <https://doi.org/10.3390/insects15070646>

Invitrogen Corporation 2007. *PureLink™ Genomic DNA Mini Kit*. Invitrogen Corporation, pp. 1–4.

Irish, S. R., Al-Amin, M. M., Paulin, H. N., Mahmood, A. S. M. S., Khan, R. K., Mursheduzzaman, A. K. M., Worrall, C. M., Flora, J. E., Karim, M. M., Shirin, T., Shamsuzzaman, A. K. M., Tahmina, S., Lenhart, A., & Dubray, C., 2018, “Molecular Xenomonitoring for *Wuchereria bancrofti* in *Culex quinquefasciatus* in Two Districts in Bangladesh Supports Transmission Assessment Survey Findings”, *PLOS Neglected Tropical Diseases*, 12(7), e0006574. <https://doi.org/10.1371/journal.pntd.0006574>

- Kementerian Kesehatan RI RI 2022. *Profil Kesehatan Indonesia 2022*, Jakarta: Pusat Data dan Informasi Kementerian Kesehatan.
- Kementerian Kesehatan RI 2014. *Peraturan Menteri Kesehatan Republik Indonesia Nomor 94 tahun 2014, tentang Penanggulangan Filariasis*, Jakarta: Kementerian Kesehatan RI.
- Kinyatta, N., Wachira, D., Githae, R., 2023, “Detection of *Wuchereria bancrofti* in Human Blood Samples and Mosquitoes in Matayos, Busia County-Kenya”, *Scientific Reports*, 13, 19420. <https://doi.org/10.1038/s41598-023-46329-z>
- Klassen, W., 2005, *Use of SIT in Implementing Pest Management Strategies. In Sterile Insect Technique: Principles and Practice in Area-Wide Integrated Pest Management*, Eds., Dyck, V.A, Hendrichs, J. and Robinson, A.S. Dordrecht, The Netherlands: Springer, pp: 55-60.
- Kluiters, G., Hunter, K., and Baylis, M., 2015, “Validation of Fluorescent Dust Marking of Culicoides Biting Midges and the Design of a Self-Marking Technique”, *Parasites and Vectors*, 8(1), pp. 1–7. doi: 10.1186/s13071-015-0657-0.
- Lapointe, D. A., 2008, “Dispersal of *Culex quinquefasciatus* (Diptera: Culicidae) in a Hawaiian rain forest”, *Journal of Medical Entomology*, 45(4), pp. 600–609. doi: 10.1603/0022-2585(2008)45[600:DOCQDC]2.0.CO;2.
- Manimegalai, K. and Sukanya, S., 2014, “Original Research Article Biology of the filarial vector, *Culex quinquefasciatus* (Diptera: Culicidae)”, *International Journal of Current Microbiology and Applied Sciences*, 3(4), pp. 718–724.
- Marchiondo, A. A., 2019, *Nematoda, Parasiticide Screening: Volume 2: In Vitro and In Vivo Tests with Relevant Parasite Rearing and Host Infection/Infestation Methods*. doi: 10.1016/B978-0-12-816577-5.00007-7.
- Marini, F., Caputo, B., Pombi, M., Tarsitani, G. and Torre, A., 2010, “Study of *Aedes albopictus* Dispersal in Rome, Italy, Using Sticky Traps in Mark-Release-Recapture Experiments”, *Med. Vet. Entomol.* 24(4), 361–368.
- McGraw, E. A. and O’Neill, S. L., 2013, “Beyond insecticides: New thinking on an ancient problem”, *Nature Reviews Microbiology*. Nature Publishing Group, 11(3), pp. 181–193. doi: 10.1038/nrmicro2968.
- Michael, E., Malecela-Lazaro, M. N., Simonsen, P. E., Pedersen, E. M., Barker, G., Kumar, A., & Kazura, J. W., 2004, “Mathematical Modelling and the Control of Lymphatic Filariasis”, *Lancet Infectious Diseases*, 4(4), pp. 223–234. doi: 10.1016/S1473-3099(04)00973-9

- Miftakhudin, S., 2021, Strategi Penanganan Banjir Rob Kota Pekalongan, *Jurnal Litbang Kota Pekalongan*, 19(1), 29–38.
- Muhajir, N. F., Prasetya, H. R., Lusiyana, N., & Arisandi, D., 2020, “Detection of Filariasis Bancrofti with Filariasis Test Strip (FTS) and Preventive Behavior of Mosquito Bites in Amban Endemic Filariasis Village, Manokwari, West Papua”, *Balaba: Jurnal Litbang Pengendalian Penyakit Bersumber Binatang Banjarnegara*, 16(1), pp. 57–66. doi: 10.22435/blb.v16i1.2457
- Negi, C. and Verma, P., 2018, “Review on *Culex quinquefasciatus*: Southern House Mosquito”, *International Journal of Life-Sciences Scientific Research*, 4(1). doi: 10.21276/ijlssr.2018.4.1.9.
- Nurjazuli, N., Saraswati, L. D., Kusariana, N., and Supali, T., 2022, “Status of Lymphatic Filariasis Transmission after Two Additional Rounds of Filariasis Mass Drug Administration: A Case Study in Pekalongan City, Central Java, Indonesia”, *Open Access Macedonian Journal of Medical Sciences*, 10(E), pp. 822–827.
- Okamoto, K. W., Robert, M. A., Lloyd, A. L., and Gould, F., 2013, “A Reduce and Replace Strategy for Suppressing Vector-Borne Diseases: Insights from a Stochastic, Spatial Model”, *PLoS ONE*, 8(12). doi: 10.1371/journal.pone.0081860.
- Paily, K. P., Hoti, S. L., and Das, P. K., 2009, “A Review of the Complexity of Biology of Lymphatic Filarial Parasites”, *Journal of Parasitic Diseases*, 33(1), pp. 3–12. doi: 10.1007/s12639-009-0005-4.
- Pollock, K.H, Nichols, J.D, Brownie, C, Hines, J., 1990, “Statistical Inference for Capture-Recapture Experiments”, *Wildlife M(107)*, pp. 3–97.
- Promega 2021. ‘GoTaq Green Master Mix’, Promega Corporation. Promega Corporation, p. 1.
- Ramadhani, T., Soeyoko, and Sumarni, S., 2010, “*Culex quinquefasciatus* Sebagai Vektor Utama Filariasis Limfatik yang Disebabkan *Wuchereria bancrofti* Di Kelurahan Pabean Kota Pekalongan”, *Jurnal Ekologi Kesehatan*, 9(3), pp. 1303–1310.
- Reisen WK, Milby MM, Meyer RP, Pfuntner AR, Spoehel J, Hazelrigg JE, Webb JP Jr., 1991, “Mark-Release-Recapture Studies with *Culex* Mosquitoes (Diptera: Culicidae) in Southern California”, *J Med Entomol.* 28(3):357-71. doi: 10.1093/jmedent/28.3.357. PMID: 1875362.
- Rice, K. B., Fleischer, S. J., De Moraes, C. M., Mescher, M. C., Tooker, J. F., and Gish, M., 2015, “Handheld Lasers Allow Efficient Detection of Fluorescent

Marked Organisms in the Field”, *PLoS ONE*, 10(6): 1–9.
<https://doi.org/10.1371/journal.pone.0129175>

Russell, R. C., Webb, C. E., Williams, C. R., and Ritchie, S. A., 2005, “Mark-Release-Recapture Study to Measure Dispersal of the Mosquito *Aedes aegypti* in Cairns, Queensland, Australia”, *Medical and Veterinary Entomology*, 19(4), pp. 451–457. doi: 10.1111/j.1365-2915.2005.00589.x.

Setiyaningsih, R., Anggraeni, Y. M., Mujiyono, A. O. Yanti, Mujiyanto, T. A. Garjito, Prihatin, M. T., and Ayuningrum, F. D., 2021, “Bio-ecological Study of *Culex quinquefasciatus* as a Potential Vector of Japanese Encephalitis in Some Provinces in Indonesia”, *IOP Conference Series: Earth and Environmental Science*, 948, pp. 012036. doi: 10.1088/1755-1315/948/1/012036

Shcherbakov, O. V., Aghayan, S. A., Gevorgyan, H. S., Burlak, V. A., Fedorova, V. S., and Artemov, G. N., 2023, “An Updated List of Mosquito Species in Armenia and Transcaucasian Region Responsible for *Dirofilaria* Transmission: A Review”, *Journal of Vector Borne Diseases*, 60(4), pp. 343–352. doi: 10.4103/0972-9062.374035

Siwiendrayanti, A., Pawenang, E. T., and Indarjo, S., 2019, “Changes in Knowledge, Behavior, and Environmental Control for Filariasis Prevention with “Mandiri” Pocket Book in Pekalongan City Society: A Longitudinal Study”, *Jurnal Pendidikan IPA Indonesia*, 8(2), pp. 177–184. doi: 10.15294/jpii.v8i2.17766.

Stolk, W. A., Swaminathan, S., van Oortmarsen, G. J., Das, P. K., and Habbema, J. D., 2003, “Prospects for Elimination of Bancroftian Filariasis by Mass Drug Treatment in Pondicherry, India: A Simulation Study”, *Journal of Infectious Diseases*, 188(9), pp. 1371–1381. doi: 10.1086/378354

Subramanian, S., Jambulingam, P., Chu, B. K., Sadanandane, C., Vasuki, V., Srividya, A., AbdulKader, M. S. M., Krishnamoorthy, K., Raju, H. K., Laney, S. J., Williams, S. A., and Henderson, R. H., 2017, “Application of a Household-Based Molecular Xenomonitoring Strategy to Evaluate the Lymphatic Filariasis Elimination Program in Tamil Nadu, India”, *PLOS Neglected Tropical Diseases*, 11(4), e0005519.
<https://doi.org/10.1371/journal.pntd.0005519>

Supali, T., Djuardi, Y., Santoso, S., Sianipar, L. R., Suryaningtyas, N. H., Alfian, R., Destani, Y., Iskandar, E., Astuty, H., Sugianto, N., and Fischer, P. U., 2023, “Surveillance and Selective Treatment of *Brugia malayi* Filariasis Eleven Years after Stopping Mass Drug Administration in Belitung District, Indonesia”, *American Journal of Tropical Medicine and Hygiene*, 110(1), pp. 111–116. doi: 10.4269/ajtmh.23-0255

To, K. K., Wong, S. S., Poon, R. W., Trendell-Smith, N. J., Ngan, A. H., Lam, J. W., Tang, T. H., AhChong, A. K., Kan, J. C., Chan, K. H., and Yuen, K. Y., 2012, “A Novel *Dirofilaria* Species Causing Human and Canine Infections in Hong Kong”, *Journal of Clinical Microbiology*, 50(11), pp. 3534–3541. doi: 10.1128/JCM.01590-12

Trewin, B.J., Pagendam, D.E., Johnson, B.J., Paton, C., Snoad, N., Ritchie, S.A., Staunton, K.M., White, B.J., Mitchell, S., Beebe, N.W., 2021, “Mark-Release-Recapture of Male *Aedes aegypti* (Diptera: Culicidae): Use of Rhodamine B to Estimate Movement, Mating and Population Parameters in Preparation for an Incompatible Male Program”, *PLoS Negl. Trop. Dis.* 15(6), 1–21.

Vavassori, L., Saddler, A., and Müller, P., 2019, “Active Dispersal of *Aedes albopictus*: A Mark-Release-Recapture Study Using Self-Marking Units”, *Parasites and Vectors*, 12(1): 1–14. <https://doi.org/10.1186/s13071-019-3837-5>

Velo, E., Balestrino, F., Kadriqi, P., Carvalho, D. O., Dicko, A., Bellini, R., Puglioli, A., Petrić, D., Schaffner, F., Almenar, D., Ippolito, J., Bioggio, J., Bieggel, A., Siliqi, M., Sengo, G., Rogozi, E., Jani, V., Nikolla, A., Goga, T., Mamai, W., 2022, “A Mark-Release-Recapture Study to Estimate Field Performance of Imported Radio-Sterilized Male *Aedes albopictus* in Albania”, *Frontiers in Bioengineering and Biotechnology*, 10, 833698. <https://doi.org/10.3389/fbioe.2022.833698>

Verdonschot, P. F. M. and Besse-Lototskaya, A. A., 2014, “Flight Distance of Mosquitoes (Culicidae): A Metadata Analysis to Support the Management of Barrier Zones Around Rewetted and Newly Constructed Wetlands”, *Limnologica. Elsevier GmbH.*, 45, pp. 69–79. doi: 10.1016/j.limno.2013.11.002.

Verhulst, N. O., Loonen, J. A. C. M., and Takken, W., 2013, “Advances in Methods for Colour Marking of Mosquitoes”, *Parasites and Vectors*, 6(1): 1–7. <https://doi.org/10.1186/1756-3305-6-200>

World Health Organization 2011. *Monitoring and Epidemiological Assessment of Mass Drug Administration in the Global Programme to Eliminate Lymphatic Filariasis: A Manual for National Elimination Programmes*, Geneva: World Health Organization.

World Health Organization 2013. *Lymphatic Filariasis a Handbook for National Elimination Programmes*. Geneva: WHO Library Cataloguing-in-Publication Data.

World Health Organization 2017. *Guideline: Alternative Mass Drug Administration Regimens to Eliminate Lymphatic Filariasis*, World Health Organization. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29565523>.

World Health Organization 2023. Global Update on Implementation of Preventive Chemotherapy (PC) Against Neglected Tropical Diseases (NTDs) in 2022 and Status of Donated Medicines for NTDs in 2022–2023. *Wkly Epidemiol Rec.* 2023 Dec 29;98(52):681–696.

Zhong, M., McCarthy, J., Bierwert, L., Waniewski, M. L., Chanteau, S., Nutman, T. B., Ottesen, E. A., & Williams, S. A., 1996, “A Polymerase Chain Reaction Assay for Detection of the Parasite *Wuchereria bancrofti* in Human Blood Samples”, *American Journal of Tropical Medicine and Hygiene*, 54(4), pp. 357–363.