

## DAFTAR PUSTAKA

- Abbas, A., 2017. Monitoring Efek Samping Obat Anti-Tuberkulosis (OAT) Pada Pengobatan Tahap Intensif Penderita TB Paru Di Kota Makassar.
- Abrogoua, D.P., Kamenan, B.A.T., Bjm, A., dan Doffou, E., 2016. Pharmaceutical interventions in the management of tuberculosis in a pneumophtisiology department, Ivory Coast. *Therapeutics and Clinical Risk Management*, 12: 1749–1756.
- Absor, S., Nurida, A., Levani, Y., dan Nerly, W.S., 2020. Hubungan Tingkat Pendidikan dengan Kepatuhan Berobat Penderita TB Paru di Wilayah Kabupaten Lamongan pada Januari 2016 – Desember 2018. *Medica Arteriana (Med-Art)*, 2: 80–87.
- Adisa, R., Ayandokun, T.T., dan Ige, O.M., 2021. Knowledge about tuberculosis, treatment adherence and outcome among ambulatory patients with drug-sensitive tuberculosis in two directly-observed treatment centres in Southwest Nigeria. *BMC Public Health*, 21: 677.
- Agustian, Dias, M., dan Masria, S., 2022. Hubungan Usia, Jenis Kelamin dan Tingkat Pendidikan dengan Kejadian TB Paru di Wilayah Kerja Puskesmas Cibadak Kabupaten Sukabumi. *Bandung Conference Series: Medical Science*, 2: 1120–1125.
- Agustiawaty, E., 2015. 'Pengaruh Home Pharmacy Care Terhadap Pengetahuan Pasien Dalam Penggunaan Obat Anti Tuberculosis Di Puskesmas Janti Malang (Asuhan Kefarmasian Untuk Pasien Tuberculosis Di Puskesmas Janti Malang)', , other, . University of Muhammadiyah Malang.
- Ahdiyah, N.N., Andriani, M., dan Andriani, L., 2022. Tingkat Kepatuhan Penggunaan Obat Anti Tuberkulosis Pada Pasien TB Paru Dewasa Di Puskesmas Putri Ayu. *Lumbung Farmasi: Jurnal Ilmu Kefarmasian*, 3: 23–28.
- Alipanah, N., Jarlsberg, L., Miller, C., Linh, N.N., Falzon, D., Jaramillo, E., dkk., 2018. Adherence interventions and outcomes of tuberculosis treatment: A systematic review and meta-analysis of trials and observational studies. *PLOS Medicine*, 15: e1002595.
- Al-Rifai, R.H., Pearson, F., Critchley, J.A., dan Abu-Raddad, L.J., 2017. Association between diabetes mellitus and active tuberculosis: A systematic review and meta-analysis. *PLOS ONE*, 12: e0187967.
- Al-Shaer, M.H., Elewa, H., Alkabab, Y., Nazer, L.H., dan Heysell, S.K., 2018. Fixed-dose combination associated with faster time to smear conversion compared to separate tablets of anti-tuberculosis drugs in patients with poorly controlled diabetes and pulmonary tuberculosis in Qatar. *BMC infectious diseases*, 18: 384.
- Amalba, A. dan Bugri, A.A., 2021. Assessing the prevalence and effect of adverse drug reactions among patients receiving first line anti-tubercular medicines in the Tamale Teaching Hospital, Ghana. *The Pan African Medical Journal*, 38: .
- American Thoracic Society, 2000. 'Diagnostic Standards and Classification of Tuberculosis in Adults and Children'. URL:



<https://www.atsjournals.org/doi/epdf/10.1164/ajrccm.161.4.16141> (diakses tanggal 14/10/2022).

- Amran, R., Abdulkadir, W., dan Madania, M., 2021. Tingkat Kepatuhan Penggunaan Obat Anti Tuberkulosis Pada Pasien Di Puskesmas Tombulilato Kabupaten Bone Bolango. *Indonesian Journal of Pharmaceutical Education*, 1: 57–66.
- Andayani, S., 2020. Prediksi Kejadian Penyakit Tuberkulosis Paru Berdasarkan Jenis Kelamin. *Jurnal Keperawatan Muhammadiyah Bengkulu*, 8: 135–140.
- Ayele, A.A., Asrade Atnafie, S., Balcha, D.D., Weredekal, A.T., Woldegiorgis, B.A., Wotte, M.M., dkk., 2017. Self-reported adherence and associated factors to isoniazid preventive therapy for latent tuberculosis among people living with HIV/AIDS at health centers in Gondar town, North West Ethiopia. *Patient Preference and Adherence*, 11: 743–749.
- Babalik, A., Kilicaslan, Z., Caner, S.S., Gungor, G., Ortakoylu, M.G., Gencer, S., dkk., 2013. A Registry-Based Cohort Study of Pulmonary Tuberculosis Treatment Outcomes in Istanbul, Turkey. *Japanese Journal of Infectious Diseases*, 66: 115–120.
- Bakri, T.K., Akmal, R., Vonna, A., dan Sari, F., 2021. The Impact Of Adverse Drug Reaction Occurrence To Drug Adherence Level: A Cross-Sectional Study In Patients With Tuberculosis. *Jurnal Farmasi Galenika*, 8: 105–115.
- Bea, S., Lee, H., Kim, J.H., Jang, S.H., Son, H., Kwon, J.-W., dkk., 2021. Adherence and Associated Factors of Treatment Regimen in Drug-Susceptible Tuberculosis Patients. *Frontiers in Pharmacology*, 12: .
- Bello, S.I. dan Itiola, O.A., 2010. Drug adherence amongst tuberculosis patients in the University of Ilorin Teaching Hospital, Ilorin, Nigeria. *African Journal of Pharmacy and Pharmacology*, 4: 109–114.
- Bernabe-Ortiz, A., Carcamo, C.P., Sanchez, J.F., dan Rios, J., 2011. Weight Variation over Time and Its Association with Tuberculosis Treatment Outcome: A Longitudinal Analysis. *PLoS ONE*, 6: e18474.
- Berndt, A.E., 2020. Sampling Methods. *Journal of Human Lactation: Official Journal of International Lactation Consultant Association*, 36: 224–226.
- Bhargava, A., Chatterjee, M., Jain, Y., Chatterjee, B., Kataria, A., Bhargava, M., dkk., 2013. Nutritional Status of Adult Patients with Pulmonary Tuberculosis in Rural Central India and Its Association with Mortality. *PLoS ONE*, 8: e77979.
- BPOM, 2020. *Modul Farmakovigilans Untuk Tenaga Profesional Kesehatan Proyek "Ensuring Drug and Food Safety."* Badan Pengawasan Obat dan Makanan.
- Cáceres, G., Calderon, R., dan Ugarte-Gil, C., 2022. Tuberculosis and comorbidities: treatment challenges in patients with comorbid diabetes mellitus and depression. *Therapeutic Advances in Infectious Disease*, 9: 20499361221095830.
- Castelnuovo, B., 2010. A review of compliance to anti tuberculosis treatment and risk factors for defaulting treatment in Sub Saharan Africa. *African Health Sciences*, 10: 320–324.

- CDC, 2019a. Self-Study Modules On Tuberculosis Module 1: Transmission and Pathogenesis of Tuberculosis. *Centers for Disease Control and Prevention U.S. Department Of Health And Human Services Centers for Disease Control and Prevention National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention Division of Tuberculosis Elimination Atlanta, Georgia*, 40.
- CDC, 2019b. Tuberculosis Technical Instructions for Panel Physicians. *Centers for Disease Control and Prevention, National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), Division of Global Migration and Quarantine (DGMQ)*, 24.
- Chang, K.C., Leung, C.C., dan Tam, C.M., 2004. Risk factors for defaulting from anti-tuberculosis treatment under directly observed treatment in Hong Kong. *The International Journal of Tuberculosis and Lung Disease: The Official Journal of the International Union Against Tuberculosis and Lung Disease*, 8: 1492–1498.
- Cho, S.H., Lee, H., Kwon, H., Shin, D.W., Joh, H.-K., Han, K., dkk., 2022. Association of underweight status with the risk of tuberculosis: a nationwide population-based cohort study. *Scientific Reports*, 12: 16207.
- Choi, H., Yoo, J.E., Han, K., Choi, W., Rhee, S.Y., Lee, H., dkk., 2021. Body Mass Index, Diabetes, and Risk of Tuberculosis: A Retrospective Cohort Study. *Frontiers in Nutrition*, 8: 739766.
- Christy, B.A., Susanti, R., dan Nurmainah, N., 2022. Hubungan Tingkat Kepatuhan Minum Obat Pasien Tuberkulosis Terhadap Efek Samping Obat Anti Tuberkulosis (OAT). *Journal Syifa Sciences and Clinical Research*, 4: .
- Cipolle, R.J., Strand, L.M., dan Morley, P.C., 2012. Chapter 3. Toward a Philosophy of Pharmaceutical Care Practice, dalam: Cipolle, R.J., Strand, L.M., dan Morley, P.C. (Editor), *Pharmaceutical Care Practice: The Patient-Centered Approach to Medication Management Services*, 3e. The McGraw-Hill Companies, New York, NY.
- Clark, P.M., Karagoz, T., Apikoglu-Rabus, S., dan Izzettin, F.V., 2007. Effect of pharmacist-led patient education on adherence to tuberculosis treatment. *American Journal of Health-System Pharmacy*, 64: 497–505.
- Costa, F.A. da, Mil, J.W.F. van, dan Alvarez-Risco, A., 2018. *The Pharmacist Guide to Implementing Pharmaceutical Care*. Springer.
- Dahlan, M.S., 2019. *Analisis Multivariat Regresi Logistik: Disertai Praktik dengan Program SPSS dan Stata*. Epidemiologi Indonesia.
- Dasopang, E.S., Hasanah, F., dan Nisak, C., 2019. Analisis Deskriptif Efek Samping Penggunaan Obat Anti Tuberculosis Pada Pasien Tbc Di Rsud Dr. Pirngadi Medan. *Jurnal Penelitian Farmasi & Herbal*, 2: 44–49.
- Departemen Kesehatan RI, 2008. Pedoman Pelayanan Kefarmasian Di Rumah (Home Pharmacy Care) | Direktorat Jenderal Kefarmasian dan Alat Kesehatan.
- Dinas Kesehatan Kota Palangkaraya, 2021. Profil TB DInas Kesehatan Kota Palangka Raya Tahun 2021.
- Ditjen P2P Kemkes RI, 2022. 'Profil Kesehatan Indonesia 2021', . Kemenkes RI, Jakarta.

- EMA, 2018. 'Medication errors', , *Text, European Medicines Agency*. URL: <https://www.ema.europa.eu/en/human-regulatory/post-authorisation/pharmacovigilance/medication-errors> (diakses tanggal 6/4/2022).
- Endalkachew, K., Ferede, Y.M., Derso, T., dan Kebede, A., 2021. Prevalence and associated factors of undernutrition among adult TB patients attending Amhara National Regional State hospitals, Northwest Ethiopia. *Journal of Clinical Tuberculosis and Other Mycobacterial Diseases*, **26**: 100291.
- Fadila, R.N. dan Riono, P., 2014. Pengaruh Rejimen terhadap Ketidakpatuhan Berobat Tuberkulosis. *Kesmas: Jurnal Kesehatan Masyarakat Nasional (National Public Health Journal)*, **9**: 107–112.
- Farmalkes, S., 2019. Petunjuk Teknis Standar Pelayanan Kefarmasian di Puskesmas | Direktorat Jenderal Kefarmasian dan Alat Kesehatan.
- Fibriana, A.I., Saefurrohim, M.Z., Setiana, A.A., Azam, M., dan Pratama, A.D., 2020. Predictors of smear non-conversion among new-treatment pulmonary tuberculosis: a single center case-control study in Indonesia. *Medical Journal of Indonesia*, **29**: 410–6.
- Firdaus, A., Pratama, G.C., dan Andarini, M.Y., 2021. Scoping Review: Hubungan Kadar HbA1c terhadap Pasien Diabetes Melitus dengan Tuberkulosis. *Prosiding Pendidikan Dokter*, **7**: 77–84.
- Fitri, L.D., 2018. Kepatuhan Minum Obat pada Pasien Tuberkulosis Paru. *Jurnal Ilmu Kesehatan Masyarakat*, **7**: 33–42.
- Foe-Essomba, J.R., Kenmoe, S., Tchatchouang, S., Ebogo-Belobo, J.T., Mbaga, D.S., Kengne-Ndé, C., dkk., 2021. Diabetes mellitus and tuberculosis, a systematic review and meta-analysis with sensitivity analysis for studies comparable for confounders. *PLOS ONE*, **16**: e0261246.
- Forget, E.J. dan Menzies, D., 2006. Adverse reactions to first-line antituberculosis drugs. *Expert Opinion on Drug Safety*, **5**: 231–249.
- Fortuna, T.A., Rahmawati, F., dan Yasin, N.M., 2021. Hubungan Drug Related Problems (DRPs) dan Outcome Pengobatan Pada Pasien Tuberkulosis Dengan Diabetes Melitus. *Jurnal Manajemen Dan Pelayanan Farmasi (Journal of Management and Pharmacy Practice)*, **11**: 122–132.
- Getahun, B. dan Nkosi, Z.Z., 2017. Is directly observed tuberculosis treatment strategy patient-centered? A mixed method study in Addis Ababa, Ethiopia. *Plos One*, **12**: e0181205.
- Goruntla, N., Kolisetty, J., Moses, K., Bhupalam, P., Bogireddy, S., Neelima, G., dkk., 2020. Impact Of Pharmacist Counselling On Knowledge, And Medication Adherence In Tuberculosis Patients: A Quasi-Experimental Design.
- Grace, M., Birrell, M.A., Dubuis, E., Maher, S.A., dan Belvisi, M.G., 2012. Transient receptor potential channels mediate the tussive response to prostaglandin E2 and bradykinin. *Thorax*, **67**: 891–900.
- Güler, M., Ünsal, E., Dursun, B., AydIn, Ö., dan Capan, N., 2006. Factors influencing sputum smear and culture conversion time among patients with new case pulmonary tuberculosis: Sputum smear and culture conversion in tuberculosis. *International Journal of Clinical Practice*, **61**: 231–235.



- Habibi, M.R., Bakhtiar, A., Indiastuti, D.N., dan Meliana, R.Y., 2022. Diabetes Mellitus and History of Tuberculosis Treatment as Risk Factors of Developing Multidrug-Resistant Tuberculosis at TB Polyclinic Dr. Soetomo General Hospital 2019 - 2020. *Jurnal Ilmiah Universitas Batanghari Jambi*, 22: 537.
- Horne, D.J., Johnson, C.O., Oren, E., Spitters, C., dan Narita, M., 2010. How soon can smear positive TB patients be released from inpatient isolation? *Infection control and hospital epidemiology: the official journal of the Society of Hospital Epidemiologists of America*, 31: 78–84.
- Imam, F., Sharma, M., Khayyam, K.U., Al-Harbi, N.O., Rashid, M.K., Ali, M.D., dkk., 2020. Adverse drug reaction prevalence and mechanisms of action of first-line anti-tubercular drugs. *Saudi pharmaceutical journal: SPJ: the official publication of the Saudi Pharmaceutical Society*, 28: 316–324.
- Izudi, J., Tamwesigire, I.K., dan Bajunirwe, F., 2020. Sputum smear non-conversion among adult persons with bacteriologically confirmed pulmonary tuberculosis in rural eastern Uganda. *Journal of Clinical Tuberculosis and Other Mycobacterial Diseases*, 20: 100168.
- Jeon, C.Y. dan Murray, M.B., 2008. Diabetes mellitus increases the risk of active tuberculosis: a systematic review of 13 observational studies. *PLoS medicine*, 5: e152.
- Jiménez-Corona, M.E., Cruz-Hervert, L.P., García-García, L., Ferreyra-Reyes, L., Delgado-Sánchez, G., Bobadilla-del-Valle, M., dkk., 2013. Association of diabetes and tuberculosis: impact on treatment and post-treatment outcomes. *Thorax*, 68: 214–220.
- Johnson, J.L., Adkins, D., dan Chauvin, S., 2020. A Review of the Quality Indicators of Rigor in Qualitative Research. *American Journal of Pharmaceutical Education*, 84: 7120.
- Juan, G., Lloret, T., Perez, C., Lopez, P., Navarro, R., Ramón, M., dkk., 2006. Directly observed treatment for tuberculosis in pharmacies compared with self-administered therapy in Spain. *The International Journal of Tuberculosis and Lung Disease*, 10: 215–221.
- Kangagung, C.P., Susanti, N.M.P., dan Widhiartini, I. a. A., 2014. Pengaruh Home Care Terhadap Pemahaman Dan Ketaatn Pada Pasien Tuberkulosis Di Farmasi Komunitas. *Jurnal Farmasi Udayana*.
- Karuniawati, H., Putra, O.N., dan Wikantyasning, E.R., 2019. Impact of pharmacist counseling and leaflet on the adherence of pulmonary tuberculosis patients in lungs hospital in Indonesia. *Indian Journal of Tuberculosis*, 66: 364–369.
- Kayigamba, F.R., Bakker, M.I., Mugisha, V., De Naeyer, L., Gasana, M., Cobelens, F., dkk., 2013. Adherence to Tuberculosis Treatment, Sputum Smear Conversion and Mortality: A Retrospective Cohort Study in 48 Rwandan Clinics. *PLoS ONE*, 8: e73501.
- Kebede, A. dan Wabe, N.T., 2012. Medication adherence and its determinants among patients on concomitant tuberculosis and antiretroviral therapy in South west ethiopia. *North American Journal of Medical Sciences*, 4: 67–71.



- Kefarmasian, D.P. dan P., 2008. Tanggung Jawab Apoteker terhadap Keselamatan Pasien (Patient Safety) | Direktorat Jenderal Kefarmasian dan Alat Kesehatan.
- Kementerian Kesehatan Republik Indonesia, 2016. PMK Nomor 67 Tahun 2016 Tentang Penanggulangan Tuberkulosis.
- Kementerian Kesehatan Republik Indonesia, 2018. Laporan Hasil Riset Kesehatan Dasar (Riskesdas) | Badan Penelitian dan Pengembangan Kesehatan.
- Kementerian Kesehatan Republik Indonesia, 2019. 'Permenkes No. 43 Tahun 2019 tentang Pusat Kesehatan Masyarakat', . URL: <https://peraturan.bpk.go.id/Home/Details/138635/permenkes-no-43-tahun-2019> (diakses tanggal 22/3/2023).
- Kementerian Kesehatan Republik Indonesia, 2020. Pedoman Nasional Pelayanan Kedokteran Tata Laksana Tuberkulosis. *TBC Indonesia*, .
- Kementerian Kesehatan Republik Indonesia, 2022. Dashboard TB. *TBC Indonesia*, .
- Kementerian Kesehatan RI, 2021. 'Permenkes No. 67 Tahun 2021 tentang Penanggulangan Tuberkulosis [JDIH BPK RI]', . URL: <https://peraturan.bpk.go.id/Home/Details/114486/permenkes-no-67-tahun-2016> (diakses tanggal 13/2/2022).
- Kenangalem, E., Waramori, G., Pontororing, G.J., Sandjaja, Tjitra, E., Maguire, G., dkk., 2013. Tuberculosis Outcomes in Papua, Indonesia: The Relationship with Different Body Mass Index Characteristics between Papuan and Non-Papuan Ethnic Groups. *PLOS ONE*, 8: e76077.
- Khan, Farman Ullah, Khan, Amjad, Khan, Faiz Ullah, Hayat, K., Rehman, A. ur., Chang, J., dkk., 2022. Assessment of Adverse Drug Events, Their Risk Factors, and Management Among Patients Treated for Multidrug-Resistant TB: A Prospective Cohort Study From Pakistan. *Frontiers in Pharmacology*, 13: .
- Kibuule, D., Verbeeck, R.K., Nunurai, R., Mavhunga, F., Ene, E., Godman, B., dkk., 2018. Predictors of tuberculosis treatment success under the DOTS program in Namibia. *Expert Review of Respiratory Medicine*, 12: 979–987.
- Kiros, Y.K., Teklu, T., Desalegn, F., Tesfay, M., Klinkenberg, E., dan Mulugeta, A., 2014. Adherence to anti-tuberculosis treatment in Tigray, Northern Ethiopia. *Public Health Action*, 4: S31–S36.
- Kurbatova, E.V., Gammino, V.M., Bayona, J., Becerra, M.C., Danilovitz, M., Falzon, D., dkk., 2012. Predictors of sputum culture conversion among patients treated for multidrug-resistant tuberculosis. *The International Journal of Tuberculosis and Lung Disease*, 16: 1335–1343.
- Lang, Y., 2020. 'The Application of Multidisciplinary Cooperative Complete Management Mode in the Management of Multi-Drug Resistant Tuberculosis Patients', , preprint, . In Review.
- Liu SY, Li JH, dan Schluger NW, 2005. 'DOT and timely treatment completion among Asian-born immigrant tu...: Ingenta Connect', . URL: <https://www.ingentacollect.com/content/iuatld/ijtld/2005/00000009/00000008/art00011#> (diakses tanggal 3/4/2022).



- Lönnroth, K., Williams, B.G., Cegielski, P., dan Dye, C., 2010. A consistent log-linear relationship between tuberculosis incidence and body mass index. *International Journal of Epidemiology*, 39: 149–155.
- Lopes, A.R.V., Miranda, S.S.D., Ceccato, M.D.G.B., Silveira, M.R., Resende, N.H.D., dan Carvalho, W.S., 2017. Evaluation of the impact of pharmaceutical care for tuberculosis patients in a Secondary Referral Outpatient Clinic, Minas Gerais, Brazil. *Anais da Academia Brasileira de Ciências*, 89: 2911–2919.
- Lu, P., Liu, Q., Martinez, L., Yang, H., Lu, W., Ding, X., dkk., 2017. Time to sputum culture conversion and treatment outcome of patients with multidrug-resistant tuberculosis: a prospective cohort study from urban China. *The European Respiratory Journal*, 49: 1601558.
- Lwanga S.K., Lemeshow S., dan Organization W.H., 1991. 'Sample size determination in health studies: a practical manual', . World Health Organization.
- M, A., Sas, S., Aa, S., Ar, M., I, A., dan F, S., 2011. Pharmacokinetic concerns in the management of drug induced vomiting in co-morbid tuberculosis patient: A case report from Malaysia. *Journal of Applied Pharmaceutical Science*, : 69–71.
- Madin, R.S.T.I.S.A., 2012. Faktor Penyebab Medication Error Di Instalasi Rawat Darurat Factors Affecting Medication Errors At Emergency Unit. *Jurnal Manajemen Pelayanan Kesehatan*, 15: .
- Maison, D.P., 2022a. Tuberculosis pathophysiology and anti-VEGF intervention. *Journal of Clinical Tuberculosis and Other Mycobacterial Diseases*, 27: 100300.
- Maison, D.P., 2022b. Tuberculosis pathophysiology and anti-VEGF intervention. *Journal of Clinical Tuberculosis and Other Mycobacterial Diseases*, 27: 100300.
- Manggasa, D.D. dan Suharto, D.N., 2022. Riwayat Pengobatan dan Komorbid Diabetes Mellitus Berhubungan Dengan Kejadian Tuberkulosis Resisten Obat. *Poltekita : Jurnal Ilmu Kesehatan*, 15: 403–408.
- MenKes RI, 2021. Keputusan Menteri Kesehatan Republik Indonesia Nomor HK.01.07/MENKES/5675/2021 HK.01.07/MENKES/10882/2020 Tentang Data Penduduk Sasaran Program Pembangunan Kesehatan Tahun 2021-2025.
- Mi, F., Tan, S., Liang, L., Harries, A.D., Hinderaker, S.G., Lin, Y., dkk., 2013. Diabetes mellitus and tuberculosis: pattern of tuberculosis, two-month smear conversion and treatment outcomes in Guangzhou, China. *Tropical Medicine & International Health*, 18: 1379–1385.
- Mitchison, D.A., 1980. Treatment of Tuberculosis. *Journal of the Royal College of Physicians of London*, 14: 91–99.
- Mohammed, S., Nagla, S., Morten, S., Asma, E., dan Arja, A., 2015. Illness perceptions and quality of life among tuberculosis patients in Gezira, Sudan. *African Health Sciences*, 15: 385–393.
- Moreno, R.J., Estrada García, I., De La Luz García Hernández, M., Aguilar Leon, D., Marquez, R., dan Hernández Pando, R., 2002. The role of prostaglandin

- E2 in the immunopathogenesis of experimental pulmonary tuberculosis. *Immunology*, 106: 257–266.
- Moser A, Korstjens I, 2018. 'Series: Practical guidance to qualitative research. Part 3: Sampling, data collection and analysis', . URL: <http://www.tandfonline.com/doi/epdf/10.1080/13814788.2017.1375091?needAccess=true&role=button> (diakses tanggal 23/3/2023).
- Munro, S.A., Lewin, S.A., Smith, H.J., Engel, M.E., Fretheim, A., dan Volmink, J., 2007. Patient Adherence to Tuberculosis Treatment: A Systematic Review of Qualitative Research. *PLoS Medicine*, 4: e238.
- Musdalipah, M., Nurhikma, E., Karmilah, K., dan Fakhrurazi, M., 2018. EFEK SAMPING OBAT ANTI TUBERKULOSIS (OAT) DAN PENANGANANNYA PADA PASIEN TUBERKULOSIS (TB) DI PUSKESMAS PERUMNAS KOTA KENDARI. *Jurnal Ilmiah Manuntung*, 4: 67–73.
- Nahid, P., Dorman, S.E., Alipanah, N., Barry, P.M., Brozek, J.L., Cattamanchi, A., dkk., 2016a. Official American Thoracic Society/Centers for Disease Control and Prevention/Infectious Diseases Society of America Clinical Practice Guidelines: Treatment of Drug-Susceptible Tuberculosis. *Clinical Infectious Diseases: An Official Publication of the Infectious Diseases Society of America*, 63: e147–e195.
- Nahid, P., Dorman, S.E., Alipanah, N., Barry, P.M., Brozek, J.L., Cattamanchi, A., dkk., 2016b. Official American Thoracic Society/Centers for Disease Control and Prevention/Infectious Diseases Society of America Clinical Practice Guidelines: Treatment of Drug-Susceptible Tuberculosis. *Clinical Infectious Diseases*, 63: e147–e195.
- Nasution, L. M., 2020. 'View of Statistik Deskriptif, . URL: <http://ejurnal.staisumatera-medan.ac.id/index.php/hikmah/article/view/16/13> (diakses tanggal 23/3/2023).
- Nezenega, Z.S., Gacho, Y.H.M., dan Tafere, T.E., 2013. Patient satisfaction on tuberculosis treatment service and adherence to treatment in public health facilities of Sidama zone, South Ethiopia. *BMC health services research*, 13: 110.
- Nezenega, Z.S., Perimal-Lewis, L., dan Maeder, A.J., 2020. Factors Influencing Patient Adherence to Tuberculosis Treatment in Ethiopia: A Literature Review. *International Journal of Environmental Research and Public Health*, 17: 5626.
- Ngamelubun, G.S., Widani, N.L., dan Surianto, F., 2022. Gambaran Kepatuhan Pasien Tuberkulosis Dalam Meminum Obat Di Balai Kesehatan Paru Masyarakat Provinsi Maluku. *Carolus Journal of Nursing*, 5: 78–86.
- Nijenbandring de Boer, R., Baptista de Oliveira e Souza Filho, J., Cobelens, F., de Paula Ramalho, D., Campino Miranda, P.F., de Logo, K., dkk., 2014. Delayed culture conversion due to cigarette smoking in active pulmonary tuberculosis patients. *Tuberculosis*, 94: 87–91.
- Nurjana, M.A., 2015. Faktor Risiko Terjadinya Tuberculosis Paru Usia Produktif (15-49 Tahun) di Indonesia. *Media Penelitian dan Pengembangan Kesehatan*, 25: 163–170.

- Ojieabu, W.A. dan Erah, P.O., 2011. Pharmacist Intervention to Improve Outcome of Tuberculosis Treatment: A Randomized Controlled Study in a Tertiary Health Facility in Southwestern Nigeria. *Journal of Pharmaceutical and Allied Sciences*, 8: .
- Pameswari, P., Halim, A., dan Yustika, L., 2016. Tingkat Kepatuhan Penggunaan Obat pada Pasien Tuberkulosis di Rumah Sakit Mayjen H. A Thalib Kabupaten Kerinci. *Jurnal Sains Farmasi & Klinis*, 2: undefined-undefined.
- PB. PERKENI, 2021. Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Di Indonesia 2021.
- Pranoto, A.R., Sutanto, Y.S., dan Haryati, S., 2014. Hubungan Diabetes mellitus dengan Hasil Uji Konversi BTA Sputum setelah Pemberian Terapi Tuberkulosis Tahap Inisiasi. *Nexus Kedokteran Klinik*, 3: .
- Prince, L., Andrews, J.R., Basu, S., dan Goldhaber-Fiebert, J.D., 2016. Risk of self-reported symptoms or diagnosis of active tuberculosis in relationship to low body mass index, diabetes and their co-occurrence. *Tropical Medicine & International Health*, 21: 1272–1281.
- Priyandani, Y., Rahem, A., Djunaedi, M., Athiyah, U., Qomaruddin, M., dan Kuntoro, 2019. Pharmacist's Knowledge of Pulmonary Tuberculosis in a Cross Sectional Survey at Primary Health Care Centers in Surabaya, Indonesia. *Indian Journal of Forensic Medicine & Toxicology*, 13: 1546.
- Putera, I., Pakasi, T.A., dan Karyadi, E., 2015. Knowledge and perception of tuberculosis and the risk to become treatment default among newly diagnosed pulmonary tuberculosis patients treated in primary health care, East Nusa Tenggara: a retrospective study. *BMC Research Notes*, 8: 238.
- Rahmania, A., Susanti, R., dan Purwanti, N.U., 2021. Analisis Hubungan Tingkat Kepatuhan Dan Keberhasilan Pengobatan Pasien Tuberkulosis Paru Dewasa Fase Intensif Di Rsud Dr. Soedarso Pontianak. *Jurnal Mahasiswa Farmasi Fakultas Kedokteran UNTAN*, 4: .
- Rahmi, N., Medison, I., dan Suryadi, I., 2017. Hubungan Tingkat Kepatuhan Penderita Tuberkulosis Paru dengan Perilaku Kesehatan, Efek Samping OAT dan Peran PMO pada Pengobatan Fase Intensif di Puskesmas Seberang Padang September 2012 - Januari 2013. *Jurnal Kesehatan Andalas*, 6: 345–350.
- Rantucci, M.J., 2007. *Pharmacists Talking with Patients: A Guide to Patient Counseling*. Lippincott Williams & Wilkins.
- Rini, V.A., Ikawati, Z., dan Perwitasari, D.A., 2014. Pengaruh Pemantuan Apoteker Terhadap Keberhasilan Terapi Dan Kualitas Hidup Pasien Tuberkulosis. *Jurnal Manajemen Dan Pelayanan Farmasi (Journal of Management and Pharmacy Practice)*, 4: 185–192.
- Rodrigo, T., Casals, M., Caminero, J.A., García-García, J.M., Jiménez-Fuentes, M.A., Medina, J.F., dkk., 2016. Factors Associated with Fatality during the Intensive Phase of Anti-Tuberculosis Treatment. *PLOS ONE*, 11: e0159925.
- Rosamarlina, R., Lisdawati, V., Banggai, C.E., Darayani, D., Pakki, T.R., Rogayah, R., dkk., 2019. Monitoring Efek Samping Obat Anti Tuberkulosis di Poli

- TB DOTS RSPI Prof. Dr. Sulianti Saroso. *The Indonesian Journal of Infectious Diseases*, 5: 10–20.
- Sari, I.D., Yuniar, Y., dan Syaripuddin, M., 2014. Studi Monitoring Efek Samping Obat Antituberkulosis FDC Kategori 1 Di Provinsi Banten dan Provinsi Jawa Barat. *Media Penelitian dan Pengembangan Kesehatan*, 24: 28–35.
- Seniantara, I.K., Ivana, T., dan Adang, Y.G., 2018. Pengaruh Efek Samping Oat (Obat Anti Tuberculosis) Terhadap Kepatuhan Minum Obat Pada Pasien TBC Di Puskesmas. *JURNAL KEPERAWATAN SUAKA INSAN (JKSI)*, 3: 1–12.
- Sharma, N., Khanna, A., Chandra, S., Mariam, W., Basu, S., Kumar, P., dkk., 2019. Partnership in tuberculosis control through involvement of pharmacists in Delhi: An exploratory operational research study. *Indian Journal of Pharmacology*, 51: 168–172.
- Siddiqui, A.N., Khayyam, K.U., dan Sharma, M., 2016. Effect of Diabetes Mellitus on Tuberculosis Treatment Outcome and Adverse Reactions in Patients Receiving Directly Observed Treatment Strategy in India: A Prospective Study. *BioMed Research International*, 2016: e7273935.
- Soares, L.N., Spagnolo, L.M. de L., Tomberg, J.O., Zanatti, C.L. de M., dan Cardozo-Gonzales, R.I., 2020. Relationship between multimorbidity and the outcome of the treatment for pulmonary tuberculosis. *Revista Gaúcha de Enfermagem*, 41: .
- Sondang, B., Asrifuddin\*, A., dan Kaunang, W.P.J., 2021. Analisis Peran Pengawas Menelan Obat (PMO) Terhadap Kepatuhan Menelan Obat Anti Tuberkulosis Pada Penderita Tuberkulosis Paru Di Puskesmas Kauditan Kabupaten Minahasa Utara. *Jurnal KESMAS*, Vol. 10, No. 4, April 2021, .
- Sriwijaya, R.A., Hilma, dan Elly, 2020. Pengaruh Pelayanan Informasi Obat (PIO) terhadap Kepatuhan Pasien Tuberkulosis Paru Kategori 1 di Puskesmas Dempo Palembang. *Jurnal Ilmiah Bakti Farmasi*, 5: 27–32.
- Sriwijaya, R.A., Kumala, S., dan Keban, S.A., 2019a. Pengaruh Edukasi Farmasis terhadap Outcome Terapi Pasien TB Paru Fase Intensif di RSUP Persahabatan Periode Maret-Juli 2015. *Jurnal Penelitian Sains*, 20: 86–91.
- Sriwijaya, R.A., Kumala, S., dan Keban, S.A., 2019b. Pengaruh Edukasi Farmasis terhadap Outcome Terapi Pasien TB Paru Fase Intensif di RSUP Persahabatan Periode Maret-Juli 2015. *Jurnal Penelitian Sains*, 20: 86–91.
- Sumantri, E. dan Nugroho, H.S.W., 2018. Factors affecting the side effects of anti-tuberculosis drugs. *Indian Journal of Public Health Research & Development*, 9: 469.
- Supardi, S., Susyanti, A.L., dan Herman, M.J., 2012. Evaluasi Peran Apoteker Berdasarkan Pedoman Pelayanan Kefarmasian Di Puskesmas 22: 9.
- Tadesse, T., Demissie, M., Berhane, Y., Kebede, Y., dan Abebe, M., 2013. Long distance travelling and financial burdens discourage tuberculosis DOTs treatment initiation and compliance in Ethiopia: a qualitative study. *BMC public health*, 13: 424.
- Taherdoost, H., 2016. Sampling Methods in Research Methodology; How to Choose a Sampling Technique for Research. *International Journal of Academic Research in Management*, 5: 18–27.



- Tang, Z.-Q., Jiang, R.-H., dan Xu, H.-B., 2018. Effectiveness of pharmaceutical care on treatment outcomes for patients with first-time pulmonary tuberculosis in China. *Journal of Clinical Pharmacy and Therapeutics*, 43: 888–894.
- Tanvejsilp, P., Pullenayegum, E., Loeb, M., Dushoff, J., dan Xie, F., 2017. Role of pharmaceutical care for self-administered pulmonary tuberculosis treatment in Thailand. *Journal of Clinical Pharmacy and Therapeutics*, 42: 337–344.
- TB CARE I, 2014. 'International Standards for Tuberculosis Care (ISTC)', . URL: [https://www.who.int/publications/m/item/international-standards-for-tuberculosis-care-\(istc\)](https://www.who.int/publications/m/item/international-standards-for-tuberculosis-care-(istc)) (diakses tanggal 3/4/2022).
- Tola, H.H., Tol, A., Shojaeizadeh, D., dan Garmaroudi, G., 2015. Tuberculosis Treatment Non-Adherence and Lost to Follow Up among TB Patients with or without HIV in Developing Countries: A Systematic Review. *Iranian Journal of Public Health*, 44: 1–11.
- Tripathy, S.K., Kumar, P., Sagili, K.D., dan Enarson, D.A., 2013. Effectiveness of a community-based observation of anti-tuberculosis treatment in Bangalore City, India, 2010-2011. *Public Health Action*, 3: 230–234.
- Turner, R.D., 2019. Cough in pulmonary tuberculosis: Existing knowledge and general insights. *Pulmonary Pharmacology & Therapeutics*, 55: 89–94.
- Utukaman, K.A.C., Laksmitawati, D.R., Sumarny, R., dan Tomaso, E., 2021. Peran Apoteker Terhadap Keberhasilan Pengobatan Tahap Intensif Pasien Tuberkulosis. *Poltekita : Jurnal Ilmu Kesehatan*, 15: 263–273.
- Venkatapraveen, A., Rampure, M.V., Patil, N., Shivanand, S.S., dan Lakshmi, D.P., 2012. Assessment of clinical pharmacist intervention to improve compliance and health care outcomes of tuberculosis patients 7.
- WHO, 2008. Anti-tuberculosis drug resistance in the world : fourth global report.
- WHO, 2009. 'WHO eTB Guidelines', . URL: <https://who.tuberculosis.recmapp.org/recommendation/ad3ae45f-8911-4452-baa3-3f424e3664bf> (diakses tanggal 28/3/2022).
- WHO, 2010. *Treatment of Tuberculosis: Guidelines – 4th Ed.* WHO.
- WHO, 2021. 'WHO releases new global lists of high-burden countries for TB, HIV-associated TB and drug-resistant TB', . URL: <https://www.who.int/news-room/17-06-2021-who-releases-new-global-lists-of-high-burden-countries-for-tb-hiv-associated-tb-and-drug-resistant-tb> (diakses tanggal 21/9/2022).
- WHO, 2022a. 'Global Tuberculosis Reports 2022', . URL: <https://www.who.int/teams/control-of-neglected-tropical-diseases/lymphatic-filariasis/morbidity-management-and-disability-prevention/global-tuberculosis-programme> (diakses tanggal 29/3/2022).
- WHO, 2022b. 'WHO consolidated guidelines on tuberculosis: module 4: treatment: drug-susceptible tuberculosis treatment', . URL: <https://www.who.int/publications-detail-redirect/9789240048126> (diakses tanggal 14/10/2022).
- WHO/FIP, 2011. 'Signing of a new tuberculosis initiative between the World Health Organization and the International Pharmaceutical Federation', . URL: <https://www.who.int/news-room/05-09-2011-signing-of-a-new>



tuberculosis-initiative-between-the-world-health-organization-and-the-international-pharmaceutical-federation (diakses tanggal 3/4/2022).

Woimo, T.T., Yimer, W.K., Bati, T., dan Gesesew, H.A., 2017. The prevalence and factors associated for anti-tuberculosis treatment non-adherence among pulmonary tuberculosis patients in public health care facilities in South Ethiopia: a cross-sectional study. *BMC public health*, **17**: 269.

World Health Organization, 2003. 'Adherence to long-term therapies : evidence for action', . World Health Organization.

World Health Organization, 2010. Treatment of tuberculosis: guidelines.

World Health Organization dan Organization, W.H., 2004. 'Compendium of indicators for monitoring and evaluating national tuberculosis programs', . World Health Organization.

Wright, C.M., Westerkamp, L., Korver, S., dan Dobler, C.C., 2015. Community-based directly observed therapy (DOT) versus clinic DOT for tuberculosis: a systematic review and meta-analysis of comparative effectiveness. *BMC Infectious Diseases*, **15**: 210.

Yanti, Z., 2017. Effect of Diabetes Mellitus on Successful Treatment of Tuberculosis in Tanah Kalikedinding PHC. *Jurnal Berkala Epidemiologi*, **5**: 163–173.

Yasin, N.M., Wahyono, D., Riyanto, B.S., dan Sari, I.P., 2017. Peningkatan Peran Apoteker dan Outcome Pasien Tuberkulosis Melalui Uji Coba Model Training-Education-Monitoring-Adherence-Networking (TEMAN) Apoteker. *Indonesian Journal of Clinical Pharmacy*, **6**: 247–266.