UNIVERSITAS
GADJAH MADA
**Analisis Peran Apoteker dalam Mengatasi Drug Related Problems Berbasis Medication Therapy Management
pada Pasien Tuberkulosis di Puskesmas Daerah Istimewa Yogyakarta**
GALUH NONIF RIZKIA, Dr. apt. Nanang Munif Yasin, M.Pharm
Universitas Gadjah Mada, 2021 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Abrogoua, D.P., Kamenan, B.A.T., Ahui, B.J.M., Doffou, E., 2016. Pharmaceutical interventions in the management of tuberculosis in a pneumophtisiology department, Ivory Coast. Th*er. Clin. Risk Manag.* Volume 12, 1749–1756. https://doi.org/10.2147/TCRM.S118442

Adigun, R., Singh, R., 2020. *Tuberculosis*, in: Tuberculosis. StatPearls Publishing, Treasure Island (FL).

Aditama, T.Y., Priyanti, Z., 2002. Tuberkulosis diagnosis, terapi dan masalahnya, 4th ed. Y*ayasan Penerbitan Ikatan Dokter Indonesia*, Jakarta.

Aina, B.A., Ogunbiyi, O.O., 2012. Assessment of communication skills among pharmacy students of the university of Lagos, Lagos, Nigeria. *J. Basic Clin.* Pharm. 3.

Aji, M.I.N., 2018. Efektivitas Media Booklet untuk Meningkatkan Pengetahuan Pasien Tuberkulosis Paru. K*ongr. XX Pertem. Ilm. Tah. Ikat. Apot. Indones.* 2018 1, 326–334.

Aldina, N.N., Hermanto, R.B.B., Manggasa, D.D., 2020. Hubungan Konseling dengan Kepatuhan Minum Obat Anti Tuberkulosis Pasien Tuberkulosis di Kabupaten Poso: Madago *Nursing. Journal. 1*, 1–6. https://doi.org/10.33860/mnj.v1i1.294

Aspian, K., 2019. Keberadaan Tenaga Apoteker dan Evaluasi Pelaksanaan Pelayanan Kefarmasian di Puskesmas Wilayah Kota Pontianak 06, 8.

Beloor Suresh, A., Wadhwa, R., 2021. *Rifampin*, in: StatPearls. StatPearls Publishing, Treasure Island (FL).

Black, J.G., 1999. M*icrobiology Principle and Exploration*. Prentice Hall International, New Jersey.

Burns, A., 2008. Medication therapy management in pharmacy practice: Core elements of an MTM service model (version 2.0). *J. Am. Pharm. Assoc*. 48, 341–353. https://doi.org/10.1331/JAPhA.2008.08514

Campbell, I.A., Bah-Sow, O., 2006. P*ulmonary tuberculosis: diagnosis and treatment.* BMJ 332, 1194–1197.

Chisholm-Burns, M.A., Schwinghammer, T.L., Wells, B.G., Malone, P.M., Kolesar, J.M., DiPiro, J.T., 2016. *Pharmacotherapy: Principles & Practice*: Fourth Edition 1663.

Cipolle, R.J., Strand, L.M., Morley, P.C., 2012. Pharmaceutical Care Practice: The Patient-centered Approach to Medication Management Services., 3rd ed. ed. McGraw-Hill Education, Minnesota, Amerika Serikat.

Clark, P.M., Karagoz, T., Apikoglu-Rabus, S., Izzettin, F.V., 2007. Effect of pharmacist-led patient education on adherence to tuberculosis treatment. Am. *J. Health. Syst. Pharm.* 64, 497–505. https://doi.org/10.2146/ajhp050543

Daftary, A., Jha, N., Pai, M., 2016. Enhancing the role of pharmacists in the cascade of tuberculosis care. *J. Epidemiol. Glob. Health* 7, 1. https://doi.org/10.1016/j.jegh.2016.05.001

Davies, P.D.O., 2003. The Role of DOTS in Tuberculosis Treatment and Control. *Am. J. Respir. Med*. 2, 203–209. https://doi.org/10.1007/BF03256649

UNIVERSITAS
GADJAH MADA
**Analisis Peran Apoteker dalam Mengatasi Drug Related Problems Berbasis Medication Therapy Management
pada Pasien Tuberkulosis di Puskesmas Daerah Istimewa Yogyakarta**
GALUH NONIF RIZKIA, Dr. apt. Nanang Munif Yasin, M.Pharm
Universitas Gadjah Mada, 2021 | Diunduh dari http://etd.repository.ugm.ac.id/

Departemen Kesehatan RI, 2008. P*edoman Pelayanan Kefarmasian di Rumah (Home Pharmacy Care)*. Direktorat Bina Farmasi Komunitas dan Klinik Departemen Kesehatan RI, Jakarta.

Departemen Kesehatan RI, 2005. *Pharmaceutical Care untuk Penyakit Tuberculosis.* Direktorat Bina Farmasi Komunitas dan Klinik Departemen Kesehatan RI, Jakarta.

Ernst, F.R., Grizzle, A.J., 2001. Drug-Related Morbidity and Mortality: Updating the Cost-of-Illness Model. *J. Am. Pharm. Assoc*. 1996 41, 192–199. https://doi.org/10.1016/S1086-5802(16)31229-3

Fauziah, N., Ahmad, I., Ibrahim, A., 2014. Karakteristik Dan Analisis Drug Related Problems (DRPs) Pasien Penderita Tuberkulosis Di Puskesmas Temindung Samarinda Kalimantan Timur. *J. Trop. Pharm. Chem*. 2, 252–258. https://doi.org/10.25026/jtpc.v2i5.73

Ferrari, R., 2015. Writing narrative style literature reviews. *Med. Writ*. 24, 230–235. https://doi.org/10.1179/2047480615Z.000000000329

Ferreri, S.P., Hughes, T.D., Snyder, M.E., 2020. Medication Therapy Management: Current Challenges. *Integr. Pharm. Res. Pract*. Volume 9, 71–81. https://doi.org/10.2147/IPRP.S179628

Gnanasan, S., 2012. Pharmaceutical care for patients with tuberculosis and diabetes mellitus in Malaysia: a complex intervention. *Int J Clin Pharm* 33, 44–52.

Green, B.N., Johnson, C.D., Adams, A., 2006. Writing narrative literature reviews for peer-reviewed journals: secrets of the trade. *J. Chiropr. Med.* 5, 101–117. https://doi.org/10.1016/S0899-3467(07)60142-6

Hanggara, R.S.L., Gibran, N.C., Kusuma, A.M., Galistiani, G.F., 2017. Pengaruh Keberadaan Apoteker terhadap Mutu Pelayanan Kefarmasian di Puskesmas Wilayah Kabupaten Banyumas. *J. Kefarmasian Indones*. 10.

Hanrath, M.A., Swart, E.L., 2014. Convulsions due to an interaction between anti-epileptic drugs and rifampicin. *Ned. Tijdschr. Geneeskd*. 158, A7707.

Indrawati, L., 2015. P*enelitian Kualitatif Di Bidang Kesehatan*. Penerbit Kanisius: Jakarta 94.

Isetts, B., 2012. Pharmaceutical Care, MTM, & Payment: The Past, Present, & Future. *Ann. Pharmacother*. 46, S47-56. https://doi.org/10.1345/aph.1Q806

Jakeman, B., Logothetis, S.J., Roberts, M.H., Bachyrycz, A., Fortune, D., Borrego, M.E., Ferreira, J., Burgos, M., 2020. Addressing Latent Tuberculosis Infection Treatment Through a Collaborative Care Model With Community Pharmacies and a Health Department. *Prev. Chronic. Dis.* 17, 190263. https://doi.org/10.5888/pcd17.190263

Joint Commission of Pharmacy, 2018. J*CPP Approves New Medication Management Services Definition [WWW Document]*. URL https://www.prnewswire.com/news-releases/jcpp-approves-new-medication-management-services-definition-300615345.html (accessed 12.8.20).

Karuniawati, H., Putra, O.N., Wikantyasning, E.R., 2019. Impact of pharmacist counseling and leaflet on the adherence of pulmonary tuberculosis patients in lungs hospital in Indonesia. *Indian J. Tuberc*. 66, 364–369. https://doi.org/10.1016/j.ijtb.2019.02.015

UNIVERSITAS
GADJAH MADA
**Analisis Peran Apoteker dalam Mengatasi Drug Related Problems Berbasis Medication Therapy Management
pada Pasien Tuberkulosis di Puskesmas Daerah Istimewa Yogyakarta**
GALUH NONIF RIZKIA, Dr. apt. Nanang Munif Yasin, M.Pharm
Universitas Gadjah Mada, 2021 | Diunduh dari http://etd.repository.ugm.ac.id/

Kementrian Kesehatan RI, 2019. *Situasi TBC di Indonesia*. TBC Indones. URL https://tbindonesia.or.id/informasi/tentang-tbc/situasi-tbc-di-indonesia-2/ (accessed 10.29.20).

Kementrian Kesehatan RI, 2016a. *Peraturan Menteri Kesehatan Republik Indonesia Nomor 67 Tahun 2016 Tentang Penanggulangan Tuberkulosis*.

Kementrian Kesehatan RI, 2016b. P*eraturan Menteri Kesehatan Republik Indonesia Nomor 74 Tahun 2016 Tentang Standar Pelayanan Kefarmasian Di Puskesmas.*

Khairunnisa, Nasution, A., 2017. Pharmacists' Perception About Their Roles In Tuberculosis Control Program In Medan, Indonesia. *Asian J. Pharm. Clin.* Res. 10, 256. https://doi.org/10.22159/ajpcr.2017.v10i4.16688

Kigozi, N.G., Heunis, J.C., Engelbrecht, M.C., Janse van Rensburg, A.P., van Rensburg, H.C.J.D., 2017. Tuberculosis knowledge, attitudes and practices of patients at primary health care facilities in a South African metropolitan: research towards improved health education. *BMC Public Health* 17, 795. https://doi.org/10.1186/s12889-017-4825-3

Lambert, M.L., Delgado, R., Michaux, G., Vols, A., Speybroeck, N., Van der Stuyft, P., 2005. Collaboration between private pharmacies and national tuberculosis programme: an intervention in Bolivia. *Trop. Med. Int. Health* 10, 246–250. https://doi.org/10.1111/j.1365-3156.2004.01383.x

Lopes, A.R.V., Miranda, S.S.D., Ceccato, M.D.G.B., Silveira, M.R., Resende, N.H.D., Carvalho, W.S., 2017. Evaluation of the impact of pharmaceutical care for tuberculosis patients in a Secondary Referral Outpatient Clinic, Minas Gerais, Brazil. *An. Acad. Bras. Ciênc*. 89, 2911–2919. https://doi.org/10.1590/0001-3765201720170301

Lutfiyati, H., Pribadi, P., Santoso, S.B., 2019. Kesiapan Apoteker dalam Memberikan Layanan Medication Therapy Management. *Cerata J. Ilmu Farm*. 10, 5.

Masturoh, I., Anggita, N., 2018. M*etodologi Penelitian Kesehatan. Bahan Ajar Rekam Medis dan Informasi Kesehatan (RMIK)*, 1st ed. Kementrian Kesehatan RI, Jakarta.

Mei, F.O., Parthasutema, I.A.M., Wintariani, N.P., 2020. Faktor-Faktor Yang Mempengaruhi Kegagalan Terapi Pasien TB Paru di Puskesmas Labuan *Bajo. Bali Int. Univ.* 1, 9.

Miles, M.B., Huberman, A.M., Saldaña, J., 2014. *Qualitative Data Analysis: A Methods Sourcebook*, 3rd ed. Arizona State University, Arizona.

M'Imunya, J.M., Kredo, T., Volmink, J., 2012. Patient education and counselling for promoting adherence to treatment for tuberculosis. *Cochrane Database* Syst. Rev. https://doi.org/10.1002/14651858.CD006591.pub2

Mitrzyk, B.M., 2008. Treatment of Extensively Drug-Resistant Tuberculosis and Role of the Pharmacist. Pharmacotherapy 28, 1243–1254. https://doi.org/10.1592/phco.28.10.1243

Mulyani, U.A., 2006. Peran Serta Profesi Farmasi Dalam Permasalahan Yang Terkait Dengan Terapi Obat Tuberkulosis Pada Anak. *Bul. Penelit. Sist. Kesehat.* 9, 100–106.

UNIVERSITAS
GADJAH MADA
**Analisis Peran Apoteker dalam Mengatasi Drug Related Problems Berbasis Medication Therapy Management
pada Pasien Tuberkulosis di Puskesmas Daerah Istimewa Yogyakarta**
GALUH NONIF RIZKIA, Dr. apt. Nanang Munif Yasin, M.Pharm
Universitas Gadjah Mada, 2021 | Diunduh dari http://etd.repository.ugm.ac.id/

Nasir, M., Khan, M.A., Ashiq, N., Haroon, M., Rukh, L., Farooq, U., 2019. Role of the Clinical Pharmacist in adherence to the treatment of Multidrug-Resistant and Extensively Drug Resistant Tuberculosis 6.

National Board of Medication Therapy Management, Thomas, D., Tran, J., 2020. *Medication Therapy Management, in: The Medication Therapy Management Pharmacist Reference Book*. National Board of Medication Therapy Management.

Niemi, M., Kivistö, K.T., Backman, J.T., Neuvonen, P.J., 2000. Effect of rifampicin on the pharmacokinetics and pharmacodynamics of glimepiride. *Br. J. Clin. Pharmacol*. 50, 591–595. https://doi.org/10.1046/j.1365-2125.2000.00295.x

Nugrahaheni, S.N., Pratiwi, H., Mustikaningtias, I., 2019. Kepuasan Pasien Rawat Inap terhadap Konseling Apoteker di Bangsal Penyakit Dalam RSUD Margono Soekarjo Purwokerto. https://doi.org/10.5281/ZENODO.3707204

Prasad, R., Singh, A., Gupta, N., 2019. Adverse drug reactions in tuberculosis and management. *Indian J. Tuberc.* 66, 520–532. https://doi.org/10.1016/j.ijtb.2019.11.005

Priyandan, Y., Fitantri, A., Abdani, F., 2014. Profil problem terapi obat pada pasien tuberkulosis di beberapa puskesmas surabaya. *J. Farm. Komunitas* 1, 30–35.

Puspitasari, A.W., Yunaz, S.R., Nadhilah, L., 2020. Identification of Drug-Related Problems in Adults With Tuberculosis at The Tebet Subdistrict Health Center From July to December 2018. *Int. J. Appl. Pharm.* 12, 4.

Rivera, J., Shcherbakova, N., Vala, C., Capoccia, K., 2020. Community pharmacists' interventions and documentation during medication therapy management encounters delivered face-to-face versus via telephone: The devil is in the details. R*es. Soc. Adm. Pharm*. 16, 1447–1451. https://doi.org/10.1016/j.sapharm.2019.12.020

Rohmah, N.S., Rahayu, R.S.R., Indrawati, F., 2019. Pengaruh Peran Pengawas Menelan Obat (PMO) Terhadap Kepatuhan Penderita Tuberkulosis Dalam Mengikuti Program Pengobatan DOTS (Directly Observed Treatment Shortcouse). M*EDIA ILMU Kesehat.* 8, 116–125. https://doi.org/10.30989/mik.v8i2.302

Santos, A., Pereira, D., Silva, O., Lopes, L., 2009. Pharmacotherapeutic follow-up for patients with pulmonary tuberculosis with Dáder method. *Rev. Ciênc. Farm. Básica* E Apl. 27.

Sugiyono, 2016. M*etode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif, dan R&D*,. Alfabeta, Bandung.

Supardi, S., Handayani, R.S., Raharni, M.I, H., Leny Susyanty, A., 2011. Pelaksanaan Standar Pelayanan Kefarmasian Di Apotek Dan Kebutuhan Pelatihan Bagi Apotekernya. *Bul. Penelit. Sist. Kesehat.* 39, 138–144.

Supardi, S., Susyanti, A.L., Herman, M.J., 2012. Evaluasi Peran Apoteker Berdasarkan Pedoman Pelayanan Kefarmasian Di Puskesmas. *Media Litbang Kesehat*. 22, 9.

Surekha, V., Peter, J.V., Jeyaseelan, L., Cherian, A.M., 1997. Drug interaction: rifampicin and glibenclamide. *Natl. Med. J. India* 10, 11–12.

UNIVERSITAS
GADJAH MADA
**Analisis Peran Apoteker dalam Mengatasi Drug Related Problems Berbasis Medication Therapy Management
pada Pasien Tuberkulosis di Puskesmas Daerah Istimewa Yogyakarta**
GALUH NONIF RIZKIA, Dr. apt. Nanang Munif Yasin, M.Pharm
Universitas Gadjah Mada, 2021 | Diunduh dari http://etd.repository.ugm.ac.id/

Suryani, D., Bahtiar, A., Andrajati, R., 2017. Pharmacist Involvement To Decrease Drug-Related Problems Among Geriatric Patients In Indonesian Primary Health Centers. Asian *J. Pharm. Clin. Res.* 10, 102. https://doi.org/10.22159/ajpcr.2017.v10s5.23109

Tang, Z.-Q., Jiang, R.-H., Xu, H.-B., 2018. Effectiveness of pharmaceutical care on treatment outcomes for patients with first-time pulmonary tuberculosis in China. *J. Clin. Pharm. Ther.* 43, 888–894. https://doi.org/10.1111/jcpt.12746

Toni, J., Lipovec, N.C., Sorli, P.S., Kosnik, M., 2012. Pharmacist's role in the treatment of patients with tuberculosis ñ our positive experience. *Eur. J. Hosp. Pharm. Sci. Pract.* 19, 250–250. https://doi.org/10.1136/ejhpharm-2012-000074.433

WHO, 2020. *Global Tuberculosis Report.* World Health Organization, Geneva.

WHO, 2016. *Causes of death* [WWW Document]. URL https://www.who.int/data/maternal-newborn-child-adolescent/monitor (accessed 11.2.20).

WHO, 2010. Mo*nitoring during treatment, in: Treatment of Tuberculosis: Guidelines*. World Health Organization, Geneva.

WHO, 1999. W*hat is DOTS? A Guide to Understanding the WHO-recommended TB Control Strategy Known as DOTS.* World Health Organization, Geneva, p. 39.

WHO, FIP, 2011. *The Role of Pharmacists In Tuberculosis Care and Control.*

Widoyono, 2011. *Penyakit Tropis: Epidemiologi, Penularan, Pencegahan Dan Pemberantasan*, Edisi Kedua. ed. Erlangga, Jakarta.

Winarni, L.M., Santoso, A., Savitri, N.I., 2019. Faktor-Faktor Mempengaruhi Ketidakpatuhan Minum Obat Anti Tuberkolusis Pada Pasien Tb Paru Di Puskesmas Gembor Kota Tangerang. *J. Ilm. Kesehat.* 8, 19–32.

Yasin, N.M., Wahyono, D., Riyanto, B.S., Sari, I.P., 2017. Enhancing Pharmacist's Role and Tuberculosis Patient Outcomes Through Training-Education-Monitoring-Adherence-Networking (TEMAN) Pharmacist Model Intervention. Indones. J. *Clin. Pharm.* 6, 247–266. https://doi.org/10.15416/ijcp.2017.6.4.247

Yasin, N.M., Wahyono, D., Riyanto, B.S., Puspitasari, I., 2016. Model Teman Apoteker: Alternatif Model Intervensi Apoteker Bagi Pasien Tuberkulosis. Indones. *J. Clin. Pharm.* 6, 14.

Yoisangadji, A.S., 2016. Hubungan Antara Pengawas Menelan Obat (Pmo) Dan Peran Keluarga Dengan Kepatuhan Minum Obat Pada Pasien Tuberkulosis Di Wilayah Kerja Puskesmas Sario Kota Manado. P*HARMACON 5.* https://doi.org/10.35799/pha.5.2016.12181

Zulkifli, A., Asril, B., 2006. *Tuberkulosis Paru, in: Ilmu Penyakit Dalam.* Penerbit IPD FK UI, pp. 998–994.