UNIVERSITAS
GADJAH MADA
**Gambaran Pengetahuan, Sikap, dan Perilaku Apoteker Klinis terhadap Deteksi Adverse Drug Reaction
(ADR) di Wilayah Daerah Istimewa Yogyakarta**
Fira Natalin Omega Difa, Dr. apt. Fivy Kurniawati, M.Sc.; apt. Arief Rahman Hakim, M.Si.
**Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/**

# DAFTAR PUSTAKA

Abraham, N. A., Tesfagaber, M., & Tesfamariam, S. (2023). Stakeholders' Perspective on the Integration of Pharmacovigilance Activities into the Eritrean Healthcare System: A Qualitative Study. *Risk Management and Healthcare Policy*, *16*, 747–757. https://doi.org/10.2147/rmhp.s398811.

Akhavan B.J., Khanna N.R., Vijhani, P. (2023). *Amoxicillin.* Treasure Island (FL): StatPearls Publishing. Diakses pada 10 Mei 2026 dari laman https://www.ncbi.nlm.nih.gov/books/NBK482250/

Al-Muammar, S. H., Al-Qirad, S. S., Al-Siwar, A. A., Al-Siwar, M. A., & Al-Bunayan, M. A. (2026). Pharmacists' Knowledge, Attitudes and Practices Toward Adverse Drug Reaction Reporting and Pharmacovigilance in Saudi Arabia: A Cross-Sectional Study. *Journal of Pioneering Medical Sciences*, *15*(1), 50-57.

Alomar, M. J. (2014). Factors Affecting the Development of Adverse Drug Reactions (Review Article). *Saudi Pharmaceutical Journal*, *22*(2), 83–94. https://doi.org/10.1016/j.jsps.2013.02.003.

Alomar, M., Tawfiq, A. M., Hassan, N., & Palaian, S. (2020). Post Marketing Surveillance of Suspected Adverse Drug Reactions through Spontaneous Reporting: Current Status, Challenges and The Future. *Therapeutic Advances in Drug Safety*, 11, 2042098620938595. https://doi.org/10.1177/2042098620938595.

Atmaja, D. S., Yulistiani, Y., Suharjono, S., & Zairina, E. (2024). Implementation of a Pharmacovigilance System to Detect Adverse Events and Improve Medication Appropriateness in a Hospital in Indonesia. *Pharmacy Education*, *24*(3), 7–11. https://doi.org/10.46542/pe.2024.243.711.

Ashebir, W., Yimer, B., Alle, A., Teshome, M., Teka, Y., & Wolde, A. (2022). Knowledge, Attitude, Practice, and Factors Associated with Prevention Practice towards COVID-19 among Healthcare Providers in Amhara Region, Northern Ethiopia: A Multicenter Cross-sectional Study. *PLOS Global Public Health*, *2*(4), e0000171. https://doi.org/10.1371/journal.pgph.0000171

Asih, R. M., & Muslim, A. H. (2023). Pengembangan Media Pembelajaran Ular Tangga Berbasis Kearifan Lokal pada Tema 3 Subtema 2 Pembelajaran 4 di Kelas V SD Negeri 1 Dukuhwaluh. *Jurnal Jendela Pendidikan*, *3*(3), 330–341. https://doi.org/10.57008/jjp.v3i03.557.

Ayu S.W.P., F., Rahmawati, F., & Antoni, F. (2023). Pengetahuan Apoteker terhadap Pelaporan Efek Samping. *Jurnal Farmasi Aisyah*, *2*(1), 46–55.

Badan Pusat Statistik DIY. (2025). *Number of Health Human Resources by Regency/Municipality in DI Yogyakarta Province, 2024.* Diakses pada 14 April 2026 dari laman https://yogyakarta.bps.go.id/en/statistics-table/3/YVdwSFJHRjRVVkJqWlRWRU9EQkhNVFY0UjB4VVVUMDkjMw==/jumlah-tenaga-kesehatan-menurut-kabupaten-kota-di-provinsi-di-yogyakarta--2021.html

Badan Pusat Statistik DIY. (2026). *Jumlah Rumah Sakit Umum, Rumah Sakit Khusus, Puskesmas, Klinik Pratama, dan Posyandu Menurut*

UNIVERSITAS
GADJAH MADA
**Gambaran Pengetahuan, Sikap, dan Perilaku Apoteker Klinis terhadap Deteksi Adverse Drug Reaction (ADR) di Wilayah Daerah Istimewa Yogyakarta**
Fira Natalin Omega Difa, Dr. apt. Fivy Kurniawati, M.Sc.; apt. Arief Rahman Hakim, M.Si.
**Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/**

*Kabupaten/Kota di Provinsi DI Yogyakarta, 2025.* Diakses pada 14 April 2026 dari laman https://yogyakarta.bps.go.id/id/statistics-table/3/YmlzemNGUkNVblZLVVhOblREWnZXbkEzWld0eVVUMDkMw==/jumlah-rumah-sakit-umum--rumah-sakit-khusus--puskesmas--klinikpratama--dan-posyandu-menurut-kabupaten-kota-di-provinsi-di yogyakarta--2020.html.

Beeler, P. E., Stammschulte, T., & Dressel, H. (2023). Hospitalisations Related to Adverse Drug Reactions in Switzerland in 2012–2019: Characteristics, In-Hospital Mortality, and Spontaneous Reporting Rate. *Drug Safety*, *46*(8), 753–763. https://doi.org/10.1007/s40264-023-01319-y

Bouvy, J. C., De Bruin, M. L., & Koopmanschap, M. A. (2015). Epidemiology of Adverse Drug Reactions in Europe: A Review of Recent Observational Studies. *Drug Safety*, *38*(5), 437-453.

BPOM RI. (2019). *Buku Saku Panduan Deteksi dan Pelaporan Efek Samping Obat untuk Tenaga Kesehatan*. Jakarta: Badan Pengawas Obat dan Makanan Republik Indonesia.

BPOM RI. (2022). *Peraturan Badan Pengawas Obat dan Makanan Nomor 15 Tahun 2022 tentang Penerapan Farmakovigilans.* Jakarta: Badan Pengawas Obat dan Makanan Republik Indonesia.

CCRPS. (2025). *Signal Detection & Management Mastery in Pharmacovigilance*. Diakses pada 14 April 2026 dari laman https://ccrps.org/clinical-research-blog/signal-detection-amp-management-mastery-in-pharmacovigilance

Cheng, W., Du, J., Chen, C., Cao, J., Xia, X., Yang, X., ... & Qi, Y. (2024). Exploring the Influencing Factors of Adverse Drug Reaction Reporting among Medical Personnel: a COM-B Model-based Study. *Journal of Pharmaceutical Policy and Practice*, *17*(1), 2417410.

Christy Matius, A., & Gunawan, W. (2022). Validitas dan Reliabilitas Perceived Future Employability Scale untuk Dewasa Muda. *Psikologika: Jurnal Pemikiran dan Penelitian Psikologi*, *27*(1), 23–46. https://doi.org/10.20885/psikologika.vol27.iss1.art3

Chung, S. J., Kim, N. Y., Kim, S. J., Kim, J., Park, H. A., & Choi, J. H. (2026). Drug Hypersensitivity Leading to Emergency Department Visit: a Comprehensive Analysis of Clinical Features and Management. *The Korean Journal of Internal Medicine*, *41*(2), 328–340. https://doi.org/10.3904/kjim.2025.166

Dahri, K., Araujo, L., Chen, S., Bagri, H., Walia, K., Lau, L., & Legal, M. (2022). Community Pharmacist Perceptions of Drug-drug Interactions. *Canadian Pharmacists Journal*, *156*(1), 42–47. https://doi.org/10.1177/17151635221140379

Darsini, D., Fahrurrozi, F., & Cahyono, E. A. (2019). Pengetahuan; Artikel Review. *Jurnal Keperawatan*, *12*(1), 13.

Dawdan, S., Chaipichit, N., Sribhutorn, A., Jarernsiripornkul, N. (2026). Intensive Adverse Drug Reaction Monitoring Program Improves Detection of

UNIVERSITAS
GADJAH MADA
**Gambaran Pengetahuan, Sikap, dan Perilaku Apoteker Klinis terhadap Deteksi Adverse Drug Reaction
(ADR) di Wilayah Daerah Istimewa Yogyakarta**
Fira Natalin Omega Difa, Dr. apt. Fivy Kurniawati, M.Sc.; apt. Arief Rahman Hakim, M.Si.
**Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/**

Phenytoin-Induced Adverse Drug Reactions. *Patient Prefer Adherence*, *20*, 590320. https://doi.org/10.2147/PPA.S590320.

Dhorajiwala, S. S., Belhekar, M. N., Jain, N., & Ravat, S. (2025). Unveiling the Recent Trends: Therapeutic Drug Monitoring of Antiepileptic Drugs in Western India's Tertiary Care Hospital. *Perspectives in clinical research*, *16*(4), 218–222. https://doi.org/10.4103/picr.picr_35_25

Doan, D.A., Ho, H.H., Tran, L.D. (2022). Knowledge, Attitudes, and Practices of University Students Regarding COVID-19: a Cross-Sectional Study in Vietnam. *BMC Public Health, 22*, 2016. https://doi.org/10.1186/s12889-022-14442-9.

Dubrall, D., Schulz, M., Schmid, M., & Sachs, B. (2022). Descriptive Analysis of Adverse Drug Reaction Reports for Hypersensitivity Reactions Stratified in Relation to Different Beta-lactam Antibiotics. *Allergologie select*, *6*, 42–60. https://doi.org/10.5414/ALX02189E

Ghlichloo I, Gerriets V. (2023). *Nonsteroidal Anti-Inflammatory Drugs (NSAIDs)*. Treasure Island (FL): StatPearls Publishing. Diakses pada 10 April 2026 dari laman https://www.ncbi.nlm.nih.gov/books/NBK547742.

Giardina, C., Cutroneo, P. M., Mocciaro, E., Russo, G. T., Mandraffino, G., Basile, G., Rapisarda, F., Ferrara, R., Spina, E., & Arcoraci, V. (2018). Adverse Drug Reactions in Hospitalized Patients: Results of the FORWARD (Facilitation of Reporting in Hospital Ward) Study. *Frontiers In Pharmacology*, *9*, 350. https://doi.org/10.3389/fphar.2018.00350

Gray, S. L., Perera, S., Soverns, T., & Hanlon, J. T. (2023). Systematic Review and Meta-Analysis of Interventions to Reduce Adverse Drug Reactions in Older Adults: an Update. *Drugs & Aging*, *40*(11), 965–979. https://doi.org/10.1007/s40266-023-01064-y

Gupta, S., Nayak, R., Shivaranjani, R., & Vidyarthi, S. (2015). A Questionnaire Study on the Knowledge, Attitude, and the Practice of Pharmacovigilance Among the Healthcare Professionals in a Teaching Hospital in South India. *Perspectives in Clinical Research*, *6*(1), 45. https://doi.org/10.4103/2229-3485.148816

Gustina, G. (2017). Gambaran Tingkat Pendidikan, Pekerjaan, dan Pengetahuan Ibu terhadap Penimbangan Anak Usia 0-5 Tahun di Wilayah Kerja Puskesmas Paal X Kota Jambi Tahun 2015. *Scientia Journal*, 5(1), 39-45.

Hadi, M. A., Neoh, C. F., Zin, R. M., Elrggal, M., & Cheema, E. (2017). Pharmacovigilance: Pharmacists&Rsquo; Perspective on Spontaneous Adverse Drug Reaction Reporting. *Integrated Pharmacy Research and Practice*, *6*, 91–98. https://doi.org/10.2147/iprp.s105881.

Hamid, A. A. A., Rahim, R., & Teo, S. P. (2022). Pharmacovigilance and Its Importance for Primary Health Care Professionals. *Korean Journal of Family Medicine*, *43*(5), 290–295. https://doi.org/10.4082/kjfm.21.0193

Hamidah, L.W. (2022). Gambaran Tingkat Pengetahuan dan Persepsi Apoteker terhadap Farmakovigilans di Rumah Sakit wilayah Daerah Istimewa Yogyakarta. *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada Yogyakarta.

UNIVERSITAS
GADJAH MADA
**Gambaran Pengetahuan, Sikap, dan Perilaku Apoteker Klinis terhadap Deteksi Adverse Drug Reaction**
**(ADR) di Wilayah Daerah Istimewa Yogyakarta**
Fira Natalin Omega Difa, Dr. apt. Fivy Kurniawati, M.Sc.; apt. Arief Rahman Hakim, M.Si.
**Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/**

Hendrawan, A. (2019). Gambaran Tingkat Pengetahuan Tenaga Kerja PT 'X' tentang Undang-undang dan Peraturan Kesehatan dan Keselamatan Kerja. *Jurnal Delima Harapan*, *6*(2), 69–81. https://doi.org/10.31935/delima.v6i2.76.

Hu, W., Tao, Y., Lu, Y., Gao, S., Wang, X., Li, W., Jiang, Q., Lin, L., Sun, F., & Cheng, H. (2022). Knowledge, Attitude and Practice of Hospital Pharmacists in Central China towards Adverse Drug Reaction Reporting: A Multicenter Cross-Sectional Study. *Frontiers in Pharmacology*, *13*, 823944. https://doi.org/10.3389/fphar.2022.823944

Hussain, R., Hassali, M. A., Hashmi, F., & Akram, T. (2021). Exploring Healthcare Professionals' Knowledge, Attitude, and Practices towards Pharmacovigilance: A Cross-sectional Survey. *Journal of Pharmaceutical Policy and Practice*, *14*(1), 5. https://doi.org/10.1186/s40545-020-00287-3

Imaura, M., Yamaya, T., Uehara, N., Mano, N., Nagase, S., Kimura, K., Kanno, H., & Yamada, Y. (2017). Evaluation of the Effects of Pharmacist Intervention for Adverse Drug Reaction Detection and Exacerbation Avoidance. *Yakugaku Zasshi*, *137*(6), 767–774. https://doi.org/10.1248/yakushi.16-00246

Irawan, A., & Friandi, R. (2022). Hubungan Pengetahuan dengan Sikap Masyarakat terhadap Penderita Skizofrenia di Wilayah Kerja Puskesmas Kumun Tahun 2022. *SBY Proceedings*, *1*(1), 714-721.

Jeimy, S., Wong, T., Ben-Shoshan, M., Copaescu, A. M., Isabwe, G. A. C., & Ellis, A. K. (2025). Allergy, Asthma, and Clinical Immunology. *Drug Allergy: Official Journal of the Canadian Society of Allergy and Clinical Immunology*, *20*(3), 78. https://doi.org/10.1186/s13223-024-00936-1

Kankaraš, M., & Capecchi, S. (2025). Neither Agree nor Disagree: Use and Misuse of the Neutral Response Category in Likert-Type Scales. *Metron*, *83*(1), 111–140. https://doi.org/10.1007/s40300-024-00276-5

Karuppannan, M., Mohamad Rizal, N.A.N., Wong K-T., Mohd. Ali S., Ting K-N., & Boardman H. (2022). Pharmacists' Experiences on Adverse Drug Reaction: 10 Years Later. *Front. Pharmacol, 13*, 932942. doi: 10.3389/fphar.2022.932942

Kasim, M., Pebriani, U., Pinilih, A., & Ainulwidad, A. (2021). Hubungan Lingkungan dan Sosial Budaya dengan Pengetahuan Orang Tua terhadap Deteksi Dini Pendengaran Bayi Baru Lahir di Rumah Sakit Mitra Husada Pringsewu Lampung. *MAHESA: Malahayati Health Student Journal*, *1*(4), 492–500. https://doi.org/10.33024/mahesa.v1i4.4051

KBBI. (2025). *Deteksi.* Diakses pada 14 April 2025 dari laman https://kbbi.kemendikdasmen.go.id/entri/deteksi

Kemenkes, R. I. (2016). *Peraturan Menteri Kesehatan Republik Indonesia Nomor 72 Tahun 2016 tentang Standar Pelayanan Kefarmasian di Rumah Sakit.* Jakarta: Kementerian Kesehatan Republik Indonesia.

Kemenkes, R. I. (2016). *Peraturan Menteri Kesehatan Republik Indonesia Nomor 74 Tahun 2016 tentang Standar Pelayanan Kefarmasian di Puskesmas.* Jakarta: Kementerian Kesehatan Republik Indonesia.

UNIVERSITAS GADJAH MADA
**Gambaran Pengetahuan, Sikap, dan Perilaku Apoteker Klinis terhadap Deteksi Adverse Drug Reaction (ADR) di Wilayah Daerah Istimewa Yogyakarta**
Fira Natalin Omega Difa, Dr. apt. Fivy Kurniawati, M.Sc.; apt. Arief Rahman Hakim, M.Si.
**Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/**

Kemenkes RI. (2019). *Petunjuk Teknis Standar Pelayanan Kefarmasian di Rumah Sakit*. Jakarta: Kementerian Kesehatan Republik Indonesia.

Khalid, J., Temedie-Asogwa, T., Zakeri, M., & Sansgiry, S. S. (2025). Hospital Pharmacists' Perspectives on Adverse Drug Reaction Reporting in Developed and Developing Countries: A Comparative Pilot Study. *Pharmacy*, *13*(4), 103. https://doi.org/10.3390/pharmacy1304010.

Khan, Z., Karatas, Y., & Hamid, S. M. (2023). Evaluation of Healthcare Professionals' Knowledge, Attitudes, Practices and Barriers to Pharmacovigilance and Adverse Drug Reaction Reporting: A Cross-sectional Multicentral Study. *PLoS One*, *18*(5), e0285811.

Khan, Z., Ahmed, A., & Ilyas, U. (2024). The Crucial Role of Pharmacovigilance in Managing Infectious Diseases in Lower and Middle-Income Countries. *Therapeutic Advances in Drug Safety*, *15*, 20420986241251593. https://doi.org/10.1177/20420986241251593

Krisnawati, E., Artanti, K. D., & Umar, N. H. (2024). Uji Validitas dan Reliabilitas Instrumen Penelitian Dukungan Suami terhadap Hambatan Penggunaan Metode Kontrasepsi Jangka Panjang pada Multipara Akseptor Aktif di Surabaya. *Media Gizi Kesmas*, *13*(2), 659–664. https://doi.org/10.20473/mgk.v13i2.2024.659-664

Kumari, A., & Prajapati, H. (2025). Transformative Education: Enhancing Pharmacovigilance Awareness among Healthcare Professionals through Sensitization Initiatives. *Journal of Family Medicine and Primary Care*, *14*(5), 2026–2030. https://doi.org/10.4103/jfmpc.jfmpc_1869_24

Lee, J.J., Bortolussi-Courval, É., Filosa, E., Rej, S., Godard-Sebillotte, C., Tamblyn, R., Lee, T.C. and McDonald, E.G. (2025), Criteria to Report Adverse Drug Withdrawal Events in Clinical Trials: A Systematic Review. *J Am Geriatr Soc*, 73: 1918-1928. https://doi.org/10.1111/jgs.19457

Lestari, G., Astuti, R. P., & Dharmayanti, L. (2026). Skrining Resep secara Administrasi, Farmasetik dan Klinis pada Pasien Rawat Jalan Apotek X di Kota Bengkulu Tahun 2023. *JFM (Jurnal Farmasi Malahayati)*, *9*(1), 22-30.

Li, Y., Wu, Y., Jiang, T., Xing, H., Xu, J., Li, C., Ni, R., Zhang, N., Xiang, G., Li, L., Li, Z., Gan, L., & Liu, Y. (2023). Opportunities and Challenges of Pharmacovigilance in Special Populations: A Narrative Review of the Literature. *Therapeutic Advances in Drug Safety*, *14*, 20420986231200746. https://doi.org/10.1177/20420986231200746

Lyngkhoi, A., Singh, P., & Khongthaw, J. L. (2022). Knowledge, Attitude, and Practice of Pharmacists towards Adverse Drugs Reaction in West Khasi Hills: A Cross-Sectional Study Among Clinical Pharmacists. *International Journal of Health Sciences*, 4404–4411. https://doi.org/10.53730/ijhs.v6ns3.6822

Lwanga, S. & Lemeshow, S. (1991). *Sample Size Determination in Health Studies: A Practical Manual.* Diakses pada 5 Desember 2025 dari laman https://iris.who.int/handle/10665/40062.

UNIVERSITAS
GADJAH MADA
**Gambaran Pengetahuan, Sikap, dan Perilaku Apoteker Klinis terhadap Deteksi Adverse Drug Reaction
(ADR) di Wilayah Daerah Istimewa Yogyakarta**
Fira Natalin Omega Difa, Dr. apt. Fivy Kurniawati, M.Sc.; apt. Arief Rahman Hakim, M.Si.
**Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/**

Masiliūnienė, G., Stankevičius, E., & Kaduševičius, E. (2025). Trends in Adverse Drug Reaction Reporting in Eight Selected Countries after the Implementation of New Pharmacovigilance Regulation in 2012: A Joinpoint Regression Analysis. *European Journal of Clinical Pharmacology*, *81*(9), 1287–1299. https://doi.org/10.1007/s00228-025-03862-2

Maulana, A. (2022). Analisis Validitas, Reliabilitas, dan Kelayakan Instrumen Penilaian Rasa Percaya Diri Siswa. *Jurnal Kualitas Pendidikan*, *3*(3), 133–139. https://doi.org/10.51651/jkp.v3i3.331.

McGettigan, S., Curtin, D., & O'Mahony, D. (2024). Adverse drug reactions in multimorbid older people exposed to polypharmacy: Epidemiology and prevention. *Pharmacoepidemiology*, 3(2), 208-222.

Meilianti, S., Smith, F., Kristianto, F., Himawan, R., Ernawati, D. K., Naya, R., & Bates, I. (2022). A National Analysis of the Pharmacy Workforce in Indonesia. *Human Resources for Health*, *20*(1), 71.

Musdar, T. A., Nadhafi, M. T., Lestiono, L., Athiyah, U., & Nita, Y. (2021). Faktor yang Mempengaruhi Praktik Pelaporan Adverse Drug Reactions (ADRs) oleh Apoteker di Beberapa Rumah Sakit di Surabaya. *J Pharm Sci*, 2, 97.

Nisa, R., Nugraheni, W. T., & Ningsih, W. T. (2023). *Tingkat Pendidikan, Usia, Pekerjaan dengan Pengetahuan Ibu tentang Imunisasi Dasar pada Balita di Wilayah Kerja Puskesmas Merakurak Kabupaten Tuban*. *7*(3).

Nursiswati, M., Maniatunufus, & Herliani, Y. K. (2023). Psychometric Properties Indonesian Stroke Recognition Questionnaire (SRQ) untuk Pasien dengan Hipertensi, Diabetes Mellitus, dan Penyakit Jantung. *Jurnal Keperawatan Sriwijaya*, 10(1), 1-9.

Okuno, M. F., Cintra, R. S., Vancini-Campanharo, C. R., & Batista, R. E. (2013). Drug Interaction in the Emergency Service. *Einstein (Sao Paulo, Brazil)*, *11(*4), 462–466. https://doi.org/10.1590/s1679-45082013000400010.

Pande S. (2018). Causality or Relatedness Assessment in Adverse Drug Reaction and Its Relevance in Dermatology. *Indian Journal of Dermatology*, *63*(1), 18–21. https://doi.org/10.4103/ijd.IJD_579_17

Pranatawijaya, V. H., Widiatry, W., Priskila, R., & Putra, P. B. A. A. (2019). Penerapan Skala Likert dan Skala Dikotomi pada Kuesioner Online. *Jurnal Sains dan Informatika*, *5*(2), 128–137. https://doi.org/10.34128/jsi.v5i2.185

Putra, A. M. P., Sandi, D. A. D., Sari, O. M., Intannia, D., Rizki, M. I., Rahmatullah, S. W., & Lingga, H. N. (2024). Gambaran Karakteristik Apoteker di Puskesmas Wilayah Barat, Tengah, dan Timur Indonesia. *Borneo Journal of Pharmascientech*, 8(2), 149-156.

Ramdani, W. R., Valentine, A., Ramanidya, S., Fatma, S., Maulana, B. A., & Puspa, T. (2019). Review Literatur Sikap dan Kepuasan pada Trijurnal Online Lembaga Penelitian Universitas Trisakti. *Jurnal Penelitian dan Karya Ilmiah Lembaga Penelitian Universitas Trisakti*, *4*(1), 25–32. https://doi.org/10.25105/pdk.v4i1.4011

Roujeau, J. C., Haddad, C., Paulmann, M., & Mockenhaupt, M. (2014). Management of Nonimmediate Hypersensitivity Reactions to Drugs. *Immunology and Allergy Clinics*, *34*(3), 473-487.

UNIVERSITAS
GADJAH MADA
**Gambaran Pengetahuan, Sikap, dan Perilaku Apoteker Klinis terhadap Deteksi Adverse Drug Reaction**
**(ADR) di Wilayah Daerah Istimewa Yogyakarta**
Fira Natalin Omega Difa, Dr. apt. Fivy Kurniawati, M.Sc.; apt. Arief Rahman Hakim, M.Si.
**Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/**

Sahilu, T., Getachew, M., Melaku, T., & Sheleme, T. (2020). Adverse Drug Events and Contributing Factors among Hospitalized Adult Patients at Jimma Medical Center, Southwest Ethiopia: A Prospective Observational Study. *Current Therapeutic Research*, *93*, 100611. https://doi.org/10.1016/j.curtheres.2020.100611

Salazar, A., Amato, M. G., Shah, S. N., Khazen, M., Aminmozaffari, S., Klinger, E. V., ... & Schiff, G. D. (2023). Pharmacists' Role in Detection and Evaluation of Adverse Drug Reactions: Developing Proactive Systems for Pharmacosurveillance. *American Journal of Health-System Pharmacy*, *80*(4), 207-214.

Saputri, I. (2025). Farmakovogilans Berbasis Fasilitas Kesehatan: Peran Apoteker Klinis dalam Pelaporan Kejadian Obat yang Tidak Diinginkan. *Sciences and Clinical Pharmacy Research Journal*, *2*(3), 12.

Shanableh, S., Zainal, H., Alomar, M., & Palaian, S. (2023). A National Survey of Knowledge, Attitude, Practice, and Barriers towards Pharmacovigilance and Adverse Drug Reaction Reporting among Hospital Pharmacy Practitioners in the United Arab Emirates. *Journal of Pharmaceutical Policy and Practice*, *16*(1), 92. https://doi.org/10.1186/s40545-023-00593-6

Skalafouris, C., Reny, J. L., Stirnemann, J., Grosgurin, O., Eggimann, F., Grauser, D., Teixeira, D., Jermini, M., Bruggmann, C., Bonnabry, P., & Guignard, B. (2022). Development and Assessment of PharmaCheck: an Electronic Screening Tool for the Prevention of Twenty Major Adverse Drug Events. *BMC Medical Informatics and Decision Making*, *22*(1), 146. https://doi.org/10.1186/s12911-022-01885-8

Seo, B., Yang, M.-S., Park, S.-Y., Park, B. Y., Kim, J.-H., Song, W.-J., Kwon, H.-S., Chang, Y.-S., Cho, Y. S., Kim, S.-H., & Kim, T.-B. (2023). Incidence and Economic Burden of Adverse Drug Reactions in Hospitalization: A Prospective Study in Korea. *Journal of Korean Medical Science*, *38*(8), e56. https://doi.org/10.3346/jkms.2023.38.e56

Simamora, B. (2022). Skala Likert, Bias Penggunaan dan Jalan Keluarnya. *Jurnal Manajemen*, *12*(1), 84–93. https://doi.org/10.46806/jman.v12i1.978.

Simanihuruk, P., Tamba, D., & Sagala, R. (2021). Pengaruh Sikap, Norma Subyektif dan Kontrol Perilaku yang Dirasakan terhadap Minat Berwirausaha dengan Pendekatan Theory of Planned Behaviour (Studi Kasus pada Mahasiswa Fakultas Ekonomi Unika Santo Thomas Medan). *Jurnal Manajemen dan Bisnis*, 98–112. https://doi.org/10.54367/jmb.v21i1.1189

Soemarti, L., & Kundrat, K. (2022). Faktor yang Mempengaruhi Perubahan Perilaku Masyarakat dalam Pemanfaatan Sampah Domestik untuk Bahan Baku Pembuatan (MOL) sebagai Upaya Meningkatkan Sanitasi Lingkungan dalam Mendukung Gerakan Indonesia Bersih. *Jurnal Pengabdian Kepada Masyarakat*, *12*(2), 141–154. https://doi.org/10.30999/jpkm.v12i2.2183

Sohail, R., Mathew, M., Patel, K. K., Reddy, S. A., Haider, Z., Naria, M., Habib, A., Abdin, Z. U., Razzaq Chaudhry, W., & Akbar, A. (2023). Effects of

UNIVERSITAS
GADJAH MADA
**Gambaran Pengetahuan, Sikap, dan Perilaku Apoteker Klinis terhadap Deteksi Adverse Drug Reaction**
**(ADR) di Wilayah Daerah Istimewa Yogyakarta**
Fira Natalin Omega Difa, Dr. apt. Fivy Kurniawati, M.Sc.; apt. Arief Rahman Hakim, M.Si.
**Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/**

Non-steroidal Anti-inflammatory Drugs (NSAIDs) and Gastroprotective NSAIDs on the Gastrointestinal Tract: A Narrative Review. *Cureus*, *15*(4), e37080. https://doi.org/10.7759/cureus.37080

Sonderen, E.V., Sanderman, R., Coyne, J.C. (2013). Ineffectiveness of Reverse Wording of Questionnaire Items: Let's Learn from Cows in the Rain. *PLOS ONE* 8(7): e68967. https://doi.org/10.1371/journal.pone.0068967

Sugiyono. (2017). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D.* Bandung: CV. Alfabeta.

Srisuriyachanchai, W., Cox, A. R., & Jarernsiripornkul, N. (2022). Exploring Healthcare Professionals' Practices and Attitudes towards Monitoring and Reporting of Severe Adverse Drug Reactions. *Healthcare* (*Basel, Switzerland*), *10*(6), 1077. https://doi.org/10.3390/healthcare10061077

Suriani, N., Risnita, & Jailani, M. S. (2023). Konsep Populasi dan Sampling serta Pemilihan Partisipan Ditinjau dari Penelitian Ilmiah Pendidikan. *Jurnal IHSAN : Jurnal Pendidikan Islam*, *1*(2), 24–36. https://doi.org/10.61104/ihsan.v1i2.55

Sutanto, H. (2025). Tackling Polypharmacy in Geriatric Patients: Is Increasing Physicians' Awareness Adequate?. *Archives of Gerontology and Geriatrics Plus*, *2*(3), 100185.

Suyagh, M., Farah, D., & Abu Farha, R. (2015). Pharmacist's Knowledge, Practice and Attitudes toward Pharmacovigilance and Adverse Drug Reactions Reporting Process. *Saudi Pharmaceutical Journal*, *23*(2), 147–153. https://doi.org/10.1016/j.jsps.2014.07.001

Taluke, D., Lakat, R. S. M., & Sembel, A. (2019). Analisis Preferensi Masyarakat dalam Pengelolaan Ekosistem Mangrove di Pesisir Pantai Kecamatan Loloda Kabupaten Halmahera Barat. *Jurnal Spasial*, *6*(2), 531-540

Teramoto K, Takeda T, Mihara N, Shimai Y, Manabe S, Kuwata S, Kondoh H, Matsumura Y. (2021). Detecting Adverse Drug Events Through the Chronological Relationship Between the Medication Period and the Presence of Adverse Reactions From Electronic Medical Record Systems: Observational Study. *JMIR Med Inform*, *9*(11):e28763. doi: 10.2196/28763

Ulfah, S., Ristiono, H., & Perwitasari, D. A. (2017). Pengetahuan dan Persepsi Apoteker terhadap Sistem Pelaporan Monitoring Efek Samping Obat (MESO) di Apotek Wilayah Kota Yogyakarta. *Jurnal Ilmiah Manuntung*, *3*(2), 150-157.

Ullmann, A. K., Bach, O., Mosch, K., & Bertsche, T. (2025). A Clinical Pharmacy Service to Prevent Drug-Drug Interactions and Potentially Inappropriate Medication: A Consecutive Intervention Study in Older Intermediate Care Patients of a Regional Hospital. *Pharmacy (Basel, Switzerland)*, *13*(3), 60. https://doi.org/10.3390/pharmacy13030060.

Yalçın, N., Kaşıkcı, M., Çelik, H. T., Allegaert, K., Demirkan, K., & Yiğit, Ş. (2023). Impact of Clinical Pharmacist-led Intervention for Drug-Related Problems in Neonatal Intensive Care Unit a Randomized Controlled Trial. *Frontiers in Pharmacology*, *14*, 1242779. https://doi.org/10.3389/fphar.2023.1242779

UNIVERSITAS
GADJAH MADA
**Gambaran Pengetahuan, Sikap, dan Perilaku Apoteker Klinis terhadap Deteksi Adverse Drug Reaction**
**(ADR) di Wilayah Daerah Istimewa Yogyakarta**
Fira Natalin Omega Difa, Dr. apt. Fivy Kurniawati, M.Sc.; apt. Arief Rahman Hakim, M.Si.
**Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/**

Yamamoto, H., Kayanuma, G., Nagashima, T., Toda, C., Nagayasu, K., & Kaneko, S. (2023). Early Detection of Adverse Drug Reaction Signals by Association Rule Mining Using Large-Scale Administrative Claims Data. *Drug safety*, *46*(4), 371–389. https://doi.org/10.1007/s40264-023-01278-4

Yun, I. S., Koo, M. J., Park, E. H., Kim, S. E., Lee, J. H., Park, J. W., & Hong, C. S. (2012). A Comparison of Active Surveillance Programs Including a Spontaneous Reporting Model for Phamacovigilance of Adverse Drug Events in a Hospital. *The Korean Journal of Internal Medicine*, 27(4), 443–450. https://doi.org/10.3904/kjim.2012.27.4.443

Yusuf, A., Fitria, V., Nugraha, D., & Mentari, N. (2020). Kajian Resep secara Administrasi dan Farmasetik pada Pasien Rawat Jalan di RSUD Dr. Soekardjo Kota Tasikmalaya Periode 10 Maret-10 April 2017. *Jurnal Farmasi & Sains Indonesia*, *3*(2), 49-54.

Zellatifanny, C. M., & Mudjiyanto, B. (2018). Tipe Penelitian Deskripsi dalam Ilmu Komunikasi. *Diakom: Jurnal Media Dan Komunikasi*, *1*(2), 83-90.

Zhai, J., Yan, H., Zhang, J., Yan, H., Ma, J., & Zhang, S. (2025). A Comprehensive Analysis of Adverse Drug Reactions in 2020-2023: Case Studies. *Frontiers in pharmacology*, *16*, 1628347. https://doi.org/10.3389/fphar.2025.1628347.