

## DAFTAR PUSTAKA

- AARP, 2009. Chronic Care: A Call to Action for Health Reform.
- Abduraheem, 2013. Polypharmacy: A Risk Factor for Geriatric Syndrome, Morbidity & Mortality. *J. Aging Sci.* 1.
- Abraham, R.R., 2013. Drug Related Problems and Reactive Pharmacist Interventions for Inpatients Receiving Cardiovascular Drugs. *Int. J. Basic Med. Sci. Pharm. IJBMS* 3, 42–48.
- Ahmad, A., Mast, M.R., Nijpels, G., Elders, P.J., Dekker, J.M., Hugtenburg, J.G., 2014. Identification of drug-related problems of elderly patients discharged from hospital. *Patient Prefer. Adherence* 8, 155–165. doi:10.2147/PPA.S48357
- Ahmed, T., Haboubi, N., 2010. Assessment and management of nutrition in older people and its importance to health. *Clin. Interv. Aging* 5, 207–216.
- American Geriatrics Society, 2012. AGS Beers Criteria For Potentially Inappropriate Medication Use In Older Adults.
- Aslam, M., Tan, C.K., Prayitno, A., 2000. *Farmasi Klinik: Menuju Pengobatan Rasional dan Penghargaan Pilihan Pasien*. Elex Media Komputindo, Jakarta.
- Aymanns, C., Keller, F., Maus, S., Hartmann, B., Czock, D., 2010. Review on pharmacokinetics and pharmacodynamics and the aging kidney. *Clin. J. Am. Soc. Nephrol. CJASN* 5, 314–327. doi:10.2215/CJN.03960609
- Badan Pusat Statistik, 2015. *Proyeksi Penduduk menurut Kelompok Umur dan Jenis Kelamin di D.I. Yogyakarta 2012 - 2019*.
- Beijer, H.J.M., de Blaey, C.J., 2002. Hospitalisations caused by adverse drug reactions (ADR): a meta-analysis of observational studies. *Pharm. World Sci. PWS* 24, 46–54.
- Blix, H.S., Viktil, K.K., Reikvam, A., Moger, T.A., Hjemaaas, B.J., Pretsch, P., Vraalsen, T.F., Walseth, E.K., 2004. The majority of hospitalised patients have drug-related problems: results from a prospective study in general hospitals. *Eur. J. Clin. Pharmacol.* 60, 651–658. doi:10.1007/s00228-004-0830-4
- Buse, J., 2003. Statin Treatment in Diabetes Mellitus. *Am. Diabetes Assoc.* 21, 168–172. doi:10.2337/diaclin.21.4.168

- Caroll, D., Peterson, A., 2001. Principles of Pharmacotherapy in Elderly Patient, in: *Pharmacotherapeutics for Advanced Practice : A Practical Approach*. Lippincott, Philadelphia, pp. 62–71.
- Celebi, N., Weyrich, P., Riessen, R., Kirchhoff, K., Lammerding-Köppel, M., 2009. Problem-based training for medical students reduces common prescription errors: a randomised controlled trial. *Med. Educ.* 43, 1010–1018. doi:10.1111/j.1365-2923.2009.03452.x
- Chan, D.-C., Chen, J.-H., Kuo, H.-K., We, C.-J., Lu, I.-S., Chiu, L.-S., Wu, S.-C., 2012. Drug-related problems (DRPs) identified from geriatric medication safety review clinics. *Arch. Gerontol. Geriatr.* 54, 168–174. doi:10.1016/j.archger.2011.02.005
- Chau, D., Edelman, S.V., 2001. Clinical Management of Diabetes in the Elderly. *Clin. Diabetes* 19, 172–175. doi:10.2337/diaclin.19.4.172
- Cipolle, R., Strand, L.M., Morley, P., 1998. *Pharmaceutical Care Practice*. McGraw-Hill, New York.
- Cohen, J.I., 2013. Herpes Zoster. *N. Engl. J. Med.* 255–263. doi:10.1056/NEJMcpl302674
- Currie, G.M., Wheat, J.M., Kiat, H., 2011. Pharmacokinetic Considerations for Digoxin in Older People. *Open Cardiovasc. Med. J.* 5, 130–135. doi:10.2174/1874192401105010130
- Dahlan, M.S., 2005. *Besar Sampel dan Cara Pengambilan Sampel Dalam Penelitian Kedokteran dan Kesehatan*, 2nd ed. Salemba Medika, Jakarta.
- Dean, B., Schachter, M., Vincent, C., Barber, N., 2002. Causes of prescribing errors in hospital inpatients: a prospective study. *Lancet* 359, 1373–1378. doi:10.1016/S0140-6736(02)08350-2
- Direktorat Jenderal Bina Kefarmasian dan Alat Kesehatan, 2006. *Pedoman Pelayanan Farmasi (Tata Laksan Terapi Obat) Untuk Pasien Geriatri*. Departemen Kesehatan RI, Jakarta.
- Dominguez, J.C., Ng, A.R., Damian, L.F., 2012. A prospective, open label, 24-week trial of methylcobalamin in the treatment of diabetic polyneuropathy. *J. Diabetes Mellit.* 2:4, 408–412. doi:10.4236/jdm.2012.24064
- Dongre, Y.U., Swami, O.C., 2013. Sustained-release pregabalin with methylcobalamin in neuropathic pain: an Indian real-life experience. *Int. J. Gen. Med.* 6, 413–417. doi:10.2147/IJGM.S45271
- Drenth-van Maanen, A.C., van Marum, R.J., Knol, W., van der Linden, C.M.J., Jansen, P.A.F., 2009. Prescribing optimization method for improving

- prescribing in elderly patients receiving polypharmacy: results of application to case histories by general practitioners. *Drugs Aging* 26, 687–701. doi:10.2165/11316400-000000000-00000
- Eldor, R., Raz, I., 2009. American Diabetes Association Indications for Statins in Diabetes Is there evidence? *Diabetes Care* 32, S384–S391. doi:10.2337/dc09-S345
- Ernst, F.R., Grizzle, A.J., 2001. Drug-related morbidity and mortality: updating the cost-of-illness model. *J. Am. Pharm. Assoc. WashingtonDC* 1996 41, 192–199.
- Fashner, J., Bell, A.L., 2011. Herpes Zoster and Postherpetic Neuralgia: Prevention and Management. *Am. Acad. Fam. Physicians* 83, 1432–1437.
- Fattinger, K., Roos, M., Vergères, P., Hostenstein, C., Kind, B., Masche, U., Stocker, D.N., Braunschweig, S., Kullak-Ublick, G.A., Galeazzi, R.L., Follath, F., Gasser, T., Meier, P.J., 2000. Epidemiology of drug exposure and adverse drug reactions in two swiss departments of internal medicine. *Br. J. Clin. Pharmacol.* 49, 158–167.
- Gandhi, T.K., Weingart, S.N., Borus, J., Seger, A.C., Peterson, J., Burdick, E., Seger, D.L., Shu, K., Federico, F., Leape, L.L., Bates, D.W., 2003. Adverse Drug Events in Ambulatory Care. *N. Engl. J. Med.* 348, 1556–1564. doi:10.1056/NEJMsa020703
- Gheorghide, M., Adams, K.F., Colucci, W.S., 2004. Digoxin in the Management of Cardiovascular Disorders. *Circulation* 109, 2959–2964. doi:10.1161/01.CIR.0000132482.95686.87
- Gotto, A.M., 2007. Statin Therapy and the Elderly SAGE Advice? *Circulation* 115, 681–683. doi:10.1161/CIRCULATIONAHA.106.678300
- Guhan, A., Cooper, S., Osborne, J., Bennet, J., Tattersfield, A., 2000. Systemic effects of formoterol and salmeterol: a dose-response comparison in healthy subjects. *BMJ* 321, 650–656. doi:10.1136/thorax.55.8.650
- Gurwitz, J.H., Field, T.S., Harrold, L.R., Rothschild, J., Debellis, K., Seger, A.C., Cadoret, C., Fish, L.S., Garber, L., Kelleher, M., Bates, D.W., 2003. Incidence and preventability of adverse drug events among older persons in the ambulatory setting. *JAMA* 289, 1107–1116.
- Haji, S.A., Movahed, A., 2000. Update on Digoxin Therapy in Congestive Heart Failure. *Am. Fam. Physician* 62, 409–416.
- Hajjar, E.R., Caffiero, A., Hanlon, J., 2007. Polypharmacy in Elderly Patients. *Am. J. Geriatr. Pharmacother.* 5, 345–351.

- Hanania, N.A., King, M.J., Braman, S.S., 2011. Asthma in the Elderly: Current Understanding and Future Research Needs A Report of a National Institute on Aging (NIA) Workshop. *J. Allergy Clinical Immunolgy* 128, S4–S24. doi:10.1016/j.jaci.2011.06.048
- Hanlon, J.T., Schmader, K.E., Ruby, C.M., Weinberger, M., 2001. Suboptimal prescribing in older inpatients and outpatients. *J. Am. Geriatr. Soc.* 49, 200–209.
- Haslam, C., Nurmikko, T., 2008. Pharmacological treatment of neuropathic pain in older persons. *Clin. Interv. Aging* 3, 111–120.
- Hepler, C.D., Strand, L.M., 1990. Opportunities and responsibilities in pharmaceutical care. *Am. J. Hosp. Pharm.* 47, 533–543.
- Horstink, D.M.W.I.M., 2000. Parkinson's Disease and Parkinsonism in the Elderly. *Brain* 123, 2569–2571. doi:10.1093/brain/123.12.2569
- Ito, H., Ohno, Y., Yamauchi, T., Kawabata, Y., Ikegami, H., 2011. Efficacy and safety of metformin for treatment of type 2 diabetes in elderly Japanese patients. *Geriatr. Gerontol. Int.* 11, 55–62. doi:10.1111/j.1447-0594.2010.00635.x
- Johnson, J.A., Bootman, J.L., 1995. Drug-related morbidity and mortality. A cost-of-illness model. *Arch. Intern. Med.* 155, 1949–1956.
- Kementrian Kesehatan RI, 2013a. Bahan Paparan Jaminan Kesehatan Nasional (JKN) Dalam Sistem Jaminan Sosial Nasional. Kementrian Kesehatan RI.
- Kementrian Kesehatan RI, 2013b. Gambaran Kesehatan Lanjut Usia di Indonesia, dalam Buletin Jendela Data dan Informasi Kesehatan. Pusat Data dan Informasi Kesehatan RI, Kementrian Kesehatan RI.
- Kementrian Kesehatan RI, 2004. Keputusan Menetri Kesehatan Republik Indonesia Nomor 1197/MENKES/SK/X/2004 tentang Standar Pelayanan Farmasi Di Rumah Sakit.
- Kementrian Sosial RI, 2007. Penduduk Lanjut Usia Di Indonesia dan Masalah Kesejahteraannya. Kementrian Sosial RI.
- Koda Kimble, M., Young, L., Kradjan, W., Guglielmo, B., 2005. *Applied Theurapeutics: The Clinical Use Of Drugs*, 8th ed. Lippincott Wlliams and Wilkin, Philadelphia.
- Koh, Y., Kuty, F.B.M., Li, S.C., 2005. Drug-related problems in hospitalized patients on polypharmacy: the influence of age and gender. *Ther. Clin. Risk Manag.* 1, 39–48.

- Kongkaew, C., Noyce, P.R., Ashcroft, D.M., 2008. Hospital admissions associated with adverse drug reactions: a systematic review of prospective observational studies. *Ann. Pharmacother.* 42, 1017–1025. doi:10.1345/aph.1L037
- Lacy, C.F., L. Armstrong, L., P. Goldman, M., L. Lance, L. (Eds.), 2013. *Drug Information Handbook*, 22nd ed. American Pharmacists Association.
- LaFleur, J., McBeth, C., Gunning, K., Oderda, L., Steinvort, C., Oderda, G.M., 2006. Prevalence of drug-related problems and cost-savings opportunities in medicaid high utilizers identified by a pharmacist-run drug regimen review center. *J. Manag. Care Pharm. JMCP* 12, 677–685.
- Lemeshow, S., David, W.H.J., 1997. *Besar Sampel Dalam Penelitian Kesehatan*. Gadjahmada University Press, Yogyakarta.
- Liz, E., 2006. Inappropriate multiple medication and prescribing of drugs in elderly patients: Do we do what we can? *Aten Primaria*.
- Madhusoodanan, S., Bogunovic, O.J., 2004. Safety of benzodiazepines in the geriatric population. *Expert Opin. Drug Saf.* 3, 485–493. doi:10.1517/14740338.3.5.485
- Mahendran, R., Liew, E., 2010. A Case of Suicidal Thoughts With Alprazolam. *Prim. Care Companion J. Clin. Psychiatry* 12. doi:10.4088/PCC.09100865blu
- Mandell, L.A., G. Wunderink, R., Anzueto, A., G. Bartlett, J., Campbel, G.D., C. Dean, N., F. Dowell, S., M. Fille, T., M. Musher, D., S. Niederman, M., Torres, A., G. Whitney, C., 2007. Infectious Diseases Society of America/American Thoracic Society Consensus Guidelines on the Management of Community-Acquired Pneumonia in Adults. *Clin. Infect. Dis.* 44, 27–72.
- McCall, W.V., 2004. Sleep in the Elderly: Burden, Diagnosis, and Treatment. *J. Clinnical Psychiatry* 6, 9–20.
- Medeiros-Souza, P., Santos-Neto, L.L. dos, Kusano, L.T.E., Pereira, M.G., 2007. Diagnosis and control of polypharmacy in the elderly. *Rev. Saúde Pública* 41, 1049–1053. doi:10.1590/S0034-89102006005000050
- Meek, I.L., Vonkeman, H.E., Kasemier, J., Movig, K.L.L., van de Laar, M. a. F.J., 2013. Interference of NSAIDs with the thrombocyte inhibitory effect of aspirin: a placebo-controlled, ex vivo, serial placebo-controlled serial crossover study. *Eur. J. Clin. Pharmacol.* 69, 365–371. doi:10.1007/s00228-012-1370-y

- Minaker, K., 2011. Common clinical sequelae of aging. In: Goldman L, Schafer AI, eds. Cecil Medicine., 24th ed. Saunders Elsevier, Philadelphia.
- Morisky, D.E., Ang, A., Krousel-Wood, M., Ward, H.J., 2008. Predictive validity of a medication adherence measure in an outpatient setting. *J. Clin. Hypertens.* Greenwich Conn 10, 348–354.
- Mulyaningsih, K., 2010. Profil Drug Related Problems Pada Pasien Geriatri Rawat Inap Di Bangsal Bugenvil Unit Penyakit Dalam RSUP.Dr. Sardjito Yogyakarta Periode September 2009-Januari 2010. Pasca Sarjana Program Studi Farmasi Universitas Gadjah Mada, Yogyakarta.
- Newton, J.L., 2006. Improving the Gastrointestinal Tolerability of Aspirin in Older People. *Clin. Interv. Aging* 1, 33–39.
- Nurpeni, H., 2004. Identifikasi Drug Related Problems Potensial Pada Resep Dokter Anak di Instalasi Rawat Jalan Rumah Sakit Panti Rapih Yogyakarta Periode Januari-Juni 2004, Skripsi. Universitas Gadjah Mada, Yogyakarta.
- O'hara, B., Tricia MSN, 2013. Geriatric syndromes and their implications for nursing. *Lippincott Williams Wilkins* 43, 1–3. doi:10.1097/01.NURSE.0000423097.95416.50
- Pharmaceutical Care Network Europe, 2010. Classification for Drug Related Problems V 6.2.
- Pranarka, K., 2006. Penerapan Usia Lanjut Kedokteran Menuju Usia Lanjut Yang Sehat. *Universa Med.* Oktober-Desember 2006 25.
- Pretorius, R.W., Gataric, G., K.Swedlund, S., R. Miller, J., 2013. Reducing the Risk of Adverse Drug Events in Older Adults. *Am. Acad. Fam. Physicians* 87(5), 331–336.
- Ramanath, K., Nedumballi, S., 2012. Assessment of Medication-Related Problems in Geriatric Patients of a Rural Tertiary Care Hospital. *J. Young Pharm. JYP* 4, 273–278. doi:10.4103/0975-1483.104372
- Roberts, C.G.P., Guallar, E., Rodriguez, A., 2007. Efficacy and safety of statin monotherapy in older adults: a meta-analysis. *J. Gerontol. A. Biol. Sci. Med. Sci.* 62, 879–887.
- Robine, J.-M., Jagger, C., Crimmins, E., 2013. Annual Review of Gerontology and Geriatrics, Volume 33, 2013: Healthy Longevity. Springer Publishing Company.

- Rovers, J., Cirrie, J., Hagel, H., Mc Donough, R., Sobotka, J., 2003. *Practical Guide To Pharmaceutical Care*, 2nd ed. American Public Health Assosiation, Washington DC.
- Sahyoun, N., Lenztner, H., Hoyert, D., N. Robinson, K., 2001. Trends in Causes of Death Among the Elderly.
- Salazar, J., Bello, L., Chavez, M., Anez, R., Rojas, J., Bermudez, V., 2014. Glucosamine for Osteoarthritis: Biological Effects, Clinical Efficacy, and Safety on Glucose Metabolism. *Hindaw Publ. Corp. Arthritis* 2014, 1–13.
- Semla, T., Rochon, P., Cobbs, E., Duthie, E., Murphy, J., 2005. *Pharmacotherapy. In: Geriatrics Review Syllabus: A Core Curriculum in Geriatric Medicine*. Blackwell, Boston.
- Sitanggang, M., 2013. Kebijakan Ditjen Binfar dan Alkes Dalam Pelayanan Kesehatan Di Era SJSN, disampaikan pada seminar nasional “Prospek Puskesmas dan Fungsi Strategis Apoteker Dalam Pelayanan Kesehatan Di Era SJSN.”
- Tatro, D.S., 2009. *Drug Interaction Facts, The Authority On Drug Interactions. Facts and Comparisons Publishing Group, California*.
- Teramura-Grönblad, M., Hosia-Randell, H., Muurinen, S., Pitkala, K., 2010. Use of proton-pump inhibitors and their associated risks among frail elderly nursing home residents. *Scand. J. Prim. Health Care* 28, 154–159. doi:10.3109/02813432.2010.493315
- Thanon, I.A., Ahmad, A., Mahmood, B.S., 2014. Efficacy of mecobalamin (Methylcobalamin) in the treatment of diabetic peripheral neuropathy. *Med. J. Babylon* 2:3. doi:1812-156X-2-3
- United Nations, 2009. *World Population Ageing 2009*.
- Varallo, F.R., Capucho, H.C., da Silva Planeta, C., de Carvalho Mastroianni, P., 2014. Possible adverse drug events leading to hospital admission in a Brazilian teaching hospital. *Clinics* 69, 163–167. doi:10.6061/clinics/2014(03)03
- Veehof, L.J., Stewart, R.E., Meyboom-de Jong, B., Haaijer-Ruskamp, F.M., 1999. Adverse drug reactions and polypharmacy in the elderly in general practice. *Eur. J. Clin. Pharmacol.* 55, 533–536.
- Velo, G.P., Minuz, P., 2009. Medication errors: prescribing faults and prescription errors. *Br. J. Clin. Pharmacol.* 67, 624–628. doi:10.1111/j.1365-2125.2009.03425.x

- Wang, M.-T., Su, C.-Y., Chan, A., Lian, P.-W., Leu, hsein-B., Hsu, Y.-J., 2010. Risk of digoxin intoxication in heart failure patients exposed to digoxin–diuretic interactions: a population-based study. *Br. J. Clin. Pharmacol.* 70, 258–267. doi:10.1111/j.1365-2125.2010.03687.x
- Wilkins, P., B. Scheel, I., Grundnes, O., Hellum, C., Storheim, K., 2010. Effect of Glucosamine on Pain-Related Disability in Patients With Chronic Low Back Pain and Degenerative Lumbar Osteoarthritis A Randomized Controlled Trial. *JAMA J. Am. Med. Assoc.* 304, 45–53.