

BAB 5

KESIMPULAN DAN SARAN

5.1 Kesimpulan

- Terdapat 128 resep polifarmasi yang diberikan kepada pasien pediatri.
- Total 60 resep polifarmasi yang diambil sebagai sampel penelitian terdapat 45 resep (75 %) dengan jumlah 5 obat setiap resep dan sebanyak 15 resep (25 %) dengan jumlah 6 obat setiap resep.
- Kategori DRP yang paling banyak muncul pada resep polifarmasi yaitu kategori dosis terlalu rendah 66 %, kategori dosis terlalu tinggi 25 % dan kategori obat yang berinteraksi sebanyak 9 %. Terdapat 13 kasus interaksi dimana 7 kasus diantaranya merupakan interaksi minor dan 6 kasus interaksi moderat.
- Tidak ada hubungan signifikan antara jumlah obat dalam resep dengan potensi DRP kategori interaksi obat, kategori dosis terlalu tinggi maupun kategori dosis terlalu rendah.

5.2 Saran

Berdasarkan penelitian ini penulis menyampaikan saran bahwa perlu dilakukan penelitian lebih lanjut mengenai resep polifarmasi yang berpotensi menimbulkan permasalahan DRP secara prospektif dengan melihat perkembangan pasien setelah mengkonsumsi obat yang diresepkan.

DAFTAR PUSTAKA

- Agrina, S. dan Arneliwati, 2014, Analisa aspek balita terhadap kejadian infeksi saluran pernafasan akut di rumah, *Jurnal Keperawatan*, **5(2)**: 115-120.
- Alcorn, J. and McNamara, P.J., 2002, Ontogeny of hepatic and renal systemic clearance pathways in infants: Part II, *Clin. Pharmacokinet.*, **41**: 1077-1094.
- Alsagaff, 2005, *Dasar-dasar Ilmu Penyakit Paru*, Airlangga University Press, Surabaya.
- American Society of Health-System Pharmacists, 1996, ASHP guidelines on a standardized method for pharmaceutical care, *Am J Health-Syst Pharm.*, **53**: 1713-6.
- American Society of Hospital Pharmacists, 1993, ASHP statement on pharmaceutical care, *Am J Hosp Pharm.*, **50**: 1720-3.
- Anderson, G.D. and Lynn, A.M., 2009, Optimizing pediatric dosing: A developmental pharmacologic approach, *Pharmacotherapy*, **29**: 680-690.
- Anonim, 2017, *Puskesmas Pucang Sewu*. Diakses pada 29 Agustus 2017, <http://dinkes.surabaya.go.id/portal/puskesmas/pkm-pucang-sewu/>.
- Ansari, J., 2010, Drug interaction and Pharmacist, *Journal of Young Pharmacists : JYP.*, **2(3)**: 326–331.
- Ayrton, A. and Morgan, P., 2001, Role of transport proteins in drug absorption, distribution and excretion, *Xenobiotica*, **31**: 469-497.
- Bartelink, I.H., Rademaker, C.M., Schobben, A.F. and van den Anker, J.N., 2006, Guidelines on paediatric dosing on the basis of developmental physiology and pharmacokinetic considerations, *Clin. Pharmacokinet.*, **45**: 1077-1097.
- Benedetti, M.S., Whomsley, R. and Baltes, E.L., 2005, Differences in absorption, distribution, metabolism and excretion of xenobiotics between the paediatric and adult populations, *Expert Opin. Drug Metab. Toxicol.*, **1**: 447-471.

- Benedetti, M.S., Whomsley, R. and Canning, M., 2007, Drug metabolism in the paediatric population and in the elderly, *Drug Discov. Today*, **12(15-16)**: 599-610.
- Benedetti, S.M. and Baltes, E.L., 2003, Drug metabolism and disposition in children, *Fundam. Clin. Pharmacol.*, **17**: 281-299.
- Benista, M.J. and Nowak, J.Z., 2014, Paracetamol Mechanism of Action Applications and Safety Concern, *Acta Poloniae Pharmaceutica-Drug Research*, **71(1)**: 11-23.
- Budiarto, E., 2003, *Metodologi Penelitian Kedokteran : Sebuah Pengantar*, ECG, Jakarta, hal. 34-35.
- Bushardt, R.L., Massey, E.B., Simpson, T.W., Ariail, J.C. and Simpson, K.N., 2008 Polypharmacy: misleading, but manageable, *Clinical Interventions in Aging*, **3(2)**: 383-389
- Cipolle, J., Strand, L.M. and Morley, P.C., 2004, Drug therapy problems, in : *Pharmaceutical Care Practice : The Clinician's Guide*, 2nd ed. McGraw-Hill, New York, pp. 171-198.
- Costello, I., 2007, Pediatrics Pharmacokinetic and Pharmacodynamics, in Costello, I., Long, P., Wong, I.C.K., Tuleu, C. and Yeung, V., *Paediatric Drug Handling*, Pharmaceutical Press, London, pp. 1-9.
- Cox, E.R., Halloran, D.R., Homan, S.M., Welliver, S. and Mager, D.E., 2008, Trends in the Prevalence of Chronic Medication Use in Children: 2002-2005, *Pediatrics*, **122(5)**: 1053-1061.
- Danim, S., 2003, *Riset Keperawatan: Sejarah dan Metodologi*, editor: Ester, M., EGC, Jakarta, hal. 52-53.
- Departemen Kesehatan RI, 2016, *Peraturan Menteri Kesehatan No. 74 Tahun 2016 tentang Standar Pelayanan Kefarmasian Di Puskesmas*, Departemen Kesehatan RI, Jakarta.
- Departemen Kesehatan RI, 2008, *Pedoman Pengobatan Dasar di Puskesmas 2007*, Departemen Kesehatan RI, Jakarta.
- Departemen Kesehatan RI, 2009, *Pedoman pelayanan kefarmasian untuk pasien pediatri*, Departemen Kesehatan RI, Jakarta.

- Efendi, F. dan Makhfudli, 2009, *Keperawatan Kesehatan Komunitas: Teori dan Praktik dalam Keperawatan*, Salemba Medika, Jakarta, hal. 275-277.
- Fernandez, E., Perez, R., Hernandez, A., Tejada, P., Arteta, M. and Ramos, J.T., 2011, Factors and Mechanisms for Pharmacokinetic Differences between Pediatric Population and Adults, *Pharmaceutics*, **3**: 53-72.
- Gautam, A. and Harikumar, S.L., 2014, Development and Implementation of Polypharmacy, *Ethiopian International Journal of Multidisciplinary Research*, **2(1)**: 20-22.
- Ikatan Apoteker Indonesia, 2016, *ISO Informasi Spesialite Obat Indonesia volume 50*, PT. ISFI Penerbitan, Jakarta.
- Joenoos, N.Z., 2009, *Ars Prescribendi resep yang rasional*, ed. ke-2, Airlangga University Press, Surabaya, hal. 7- 11.
- Jones, R.M., 2008, *Pengkajian Pasien dan Peran Farmasis*, diterjemahkan dari bahasa Inggris oleh Yohan, B. dan Lyrawati, D., hal. 4-5.
- Kementerian Kesehatan RI, 2011, *Pedoman pengendalian infeksi saluran pernapasan akut*, Kementerian Kesehatan RI, Jakarta.
- Maples, H.D., James, L.P. and Stowe, C.D., 2006, Special Pharmacokinetic and Pharmacodynamic Considerations in Children, in Burton, M.E., Shaw, L.M., Schentag, J.J. and Evans, W.E., *Applied Pharmacokinetics and Pharmacodynamics: Principles of Therapeutic Drug Monitoring*, 4th ed., Lippincott Williams and Wilkins, Philadelphia, pp. 214-222.
- Nursalam, 2008, *Konsep dan penerapan metodologi penelitian ilmu keperawatan : pedoman skripsi, tesis dan instrumen penelitian keperawatan*, Salemba Medika, Jakarta, hal. 89-93.
- Pharmaceutical Care Network Europe Foundation (PCNE), 2017, Classification for Drug Related Problem V8.01, p. 5. Diakses pada tanggal 30 Oktober 2017, http://www.pcne.org/upload/files/215_PCNE_classification_V8-01.pdf.

- Rane, A. and Wilson, J.T., 2009, Clinical pharmacokinetics in infants and children, *Clin. Pharmacokinet.*, **1**: 2-24.
- Saavedra, I., Quinones, L., Saavedra, M., Sasso, J., Leon, J. and Roco, A., 2008, Farmacocinetica de medicamentos de uso pediátrico, *vision actual. Rev. Chil. Pediatr.*, **79**: 249-258.
- Sahrial. A., 2014, *Puskesmas Pucang Sewu Raih Predikat Puskesmas Terbaik Se-Jawa Timur*. Diakses pada 29 Agustus 2017, <http://dinkes.surabaya.go.id/portal/puskesmasku/mendapat-penghargaan-langsung-dari-dirut-bpjs-kesehatan-fachmi-idris/>.
- Scottish Government, 2015, *Scottish Government Model of Care Polypharmacy Working Group. Polypharmacy Guidance (2nd edition)*, Scottish Government, pp. 5-10.
- Simon, F.E.R. and Simons, K.J., 2008. H1 Antihistamines: Current Status and Future Directions, *World Allergy Organization Journal*, **1(9)**: 145.
- Souza, P.M., Neto, L.L., Kusano, L.T.E. and Pereira, M.G., 2007, Diagnosis and control of polypharmacy in the elderly, *Rev Saude Publica*, **41(6)**: 1049–53.
- Syamsuni, 2006, *Farmasetika Dasar Dan Hitungan Farmasi*, EGC, Jakarta, hal. 23, 54.
- Terrie, Y.C., 2004, *Understanding and Managing Polypharmacy in the Elderly*. Diakses pada tanggal 27 Juli 2017, <http://www.pharmacytimes.com/publications/issue/2004/2004-12/2004-12-9094>.
- Viktil, K.K., Blix, H.S., Moger, T.A. and Reikvam, A., 2006, Polypharmacy as commonly defined is an indicator of limited value in the assessment of drug-related problems, *British Journal of Clinical Pharmacology*, **63(2)**: 187–195.
- World Health Organization, 2004, A glossary of terms for community health care and services for older persons, *Ageing and health technical report*, **5**: 45.

World Health Organization, 2007, *Promoting safety of medicines for children*, p. 12.