



## BAB V

### KESIMPULAN DAN SARAN

#### 5.1. Kesimpulan

Berdasarkan hasil Praktek Kerja Profesi Apoteker di Rumah Sakit Umum Daerah Sidoarjo (RSUD Sidoarjo) pada tanggal 01 April – 30 Mei 2019 dapat disimpulkan sebagai berikut :

1. Praktek Kerja Profesi Apoteker di RSUD Kabupaten Sidoarjo membantu meningkatkan pemahaman dan wawasan calon Apoteker mengenai pemilihan, perencanaan, pengadaan, penerimaan, penyimpanan, pendistribusian, evaluasi, pengendalian, dan administrasi sediaan farmasi, alat kesehatan dan bahan medis habis pakai yang sesuai dengan Permenkes No. 72 tahun 2016 tentang Standar Pelayanan Kefarmasian di Rumah Sakit.
2. Praktek Kerja Profesi Apoteker di RSUD Kabupaten Sidoarjo membantu meningkatkan pemahaman, wawasan dan keterampilan calon Apoteker untuk melakukan pekerjaan kefarmasian klinik di Rumah Sakit yang sesuai dengan Peraturan Menteri Kesehatan RI No. 72 Tahun 2016 tentang Standar Pelayanan Kefarmasian di Rumah Sakit yaitu meliputi pengkajian dan pelayanan resep, penelusuran riwayat penggunaan obat, rekonsiliasi obat, Pusat Informasi Obat (PIO), konseling, *visite* pasien, Pemantauan Terapi Obat (PTO), Evaluasi Penggunaan obat dan dipensing sediaan steril yang merupakan bagian dari farmasi klinik.



## 5.2.Saran

1. Untuk RSUD Sidoarjo, khususnya pada sarana gudang, perlu ditambahkan waktu praktek pada mahasiswa minimal 3 hari agar mahasiswa PKPA lebih memahami pengelolaan perbekalan farmasi secara teknis di lapangan.
2. Disarankan untuk kedepannya mahasiswa diberikan pembekalan tentang PKOD dan penanganan obat-obat sitostatika secara detail oleh pihak RSUD Sidoarjo maupun Fakultas.
3. Jadwal untuk Praktek Kerja Profesi Apoteker (PKPA) di RSUD Sidoarjo sudah baik, namun perlu diberikan penambahan waktu 1 minggu di bangsal supaya mahasiswa lebih mendalami peran dan tugas apoteker di farmasi klinik.
4. Untuk mahasiswa Praktek Kerja Profesi Apoteker (PKPA), sebelum melakukan Praktek Kerja Profesi (PKP) sebaiknya membekali diri terlebih dahulu dengan ilmu-ilmu yang didapat dari perkuliahan khususnya ilmu farmakoterapi supaya lebih siap dalam menghadapi masalah kefarmasian ketika melaksanakan PKP.



## DAFTAR PUSTAKA

- ACOG, 2017, *ACOG PRACTICE BULLETIN: Clinical Management Guidelines for Obstetrician-Gynecologist*, America : The American College of Obstetrician and Gynecologist.
- Adams, Lewis, dkk. 2011. An Official American Thoracic Society Statement: Update on the Mechanisms, Assessment, and Management of Dyspnea. American Thoracic Society Statement.
- ADHB Urology Department, 2005, *Open Nephrolithotomy Patient Information*, OCT.
- Adams and Victor, 2005. Cerebrovascular Diseases. In: Adams and Victor, eds. Principles of Neurology. USA: McGraw-Hill, 660-746.
- AHA/ASA Guideline, 2011, Guidelines for the Prevention of Stroke in Patients With Stroke or Transient Ischemic Attack, A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association.
- Ahmad, S., Maqsood, M., Farooq, U., 2015. Assessment of dyspnoea and fatigue among COPD patients attending a tertiary care hospital in North India. International Journal of Advanced Research Volume 3 Issue 6 1436-1443.
- American Diabetes Association (ADA), 2015. Diagnosis and Classification of diabetesmellitus. American Diabetes Care, Vol 38, pp: 8-16.
- American Society of Anesthesiologists, 2014, *Practice Guideline for Perioperative Blood Management, Anesthesiology*, Volume 122 (2).
- Apricio, M., Belizzie, V., Chauveau, P., 2012, Keto acid therapy in Predialysis Chronic Kidney Disease Patients : Final Consensus, *Journal of Renal Nutrition* Vol 22 (25).
- Ashigbie, P., 2013, *Update on 2004 Background Paper, BP 6.16 Postpartum Haemorrhage*, Europe : Priority Medicines for Europe and the World.
- Baergen, R., 2005, *Postpartum Hemorrhage, Subinvolution of the Placental Site, and Placenta Accreta*, Cornell University.
- Bell, K., Twiggs, J., dan Olin, B.R. 2015. *Hypertension The Silent Killer: Updated JNC-8 Guideline Recommendations*. Alabama Pharmacy Association.
- BNF, 2017, *British National Formulary 73*, Pharmaceutical Press, London.
- Boulton, A.J.M., Vinik, A.I., Arezzo, J.C., Bril, V., Feldman, R., Freeman, R., et al 2005, Diabetic Neuropathies A statement by the American Diabetes Association Diabetes Care 28(4).



- Braun, M.M., Barstow, C.H., dan Pyzocha, N.J., 2015, *Diagnosis and Management of Sodium Disorders: Hyponatremia and Hypernatremia*, Washington : American Family Physician, 91(5) pp 299-307C.
- Brooker C, 2009, *Ensiklopedia Keperawatan*, EGC, Alih Bahasa Hartono dkk, Jakarta
- Camilleriet al., 2012. Clinical Guideline: Management of Gastroparesis. The American Journal of Gastroparesis. Vol. 108.
- Community Principles of Pain Management, 2017, *Practice Guidelines and Pharmacological Therapies*.
- Divisions of Nephrology and Hypertension and General Internal Medicine, 2012, *Clinical Practice Recommendations for Primary Care Physicians and Healthcare Providers*, Los Angeles: California.
- DeMaagd, G. and Philip, A., 2015., Parkinson's Disease and its Management part 1 : Disease entity, risk factors, pathophysiology, clinical presentation and diagnosis., *P&T*, Vol. 40 No.8 pp. 504-532.
- Venkatesh, R.K, Prabhu, M.M., Nandakumar, K., Pai, R.S.K., 2016, *Urinary Tract Infection Treatment Pattern of Elderly Patients in a Tertiary Hospital Setu[ in South India : A Prospective Study*, Journal Young Pharm, India : Manipal.
- Indian Council of Medical Research, 2017, *Treatment Guideline for Antimicrobial Use in Common Syndromes*, India: New Delhi.
- Dalton, E., dan Castillo, E., 2014, *Post partum infections: A review for the non-OBGYN*, Obstetric Medicine : SAGE.
- Depkes RI., 2011. *Pedoman Nasional Penanggulangan Tuberkulosis*. Jakarta : Gerdunas TB.
- Departemen Kesehatan RI, 2006, *Pharmaceutical Care untuk Penyakit Hipertensi*, Direktorat Kefarmasian dan Alat Kesehatan.
- Departemen Kesehatan Republik Indonesia, *Undang-undang Republik Indonesia Nomor 44 Tahun 2009 tentang Rumah Sakit*, Jakarta.
- Departemen Kesehatan Republik Indonesia, *Peraturan Menteri Kesehatan Republik Indonesia Nomor 8 tahun 2015 tentang Program Pengendalian Resistensi Antimikroba di Rumah Sakit*, Jakarta.
- Diagnosis and Treatment of Hyponatremia : Compilation of the Guidelines*, Journal of the American Society of Nephrology, Vol : 28, p. 1340 - 1349, 2017.
- DiPiro J.T., Wells B.G., Schwinghammer T.L. and DiPiro C. V., 2015, *Pharmacotherapy Handbook*, Ninth Edit., McGraw-Hill Education Companies, Inggris.



- Dosh, S.A. 2001, *The diagnosis of essential and secondary hypertension in adults. J.Fam Pract*, 50:707-712.
- ESC. (2017). ESC Guidelines for the diagnosis and treatment of acute myocardial infarction in patient presenting with ST-Segment Elevation .
- Francis V. and Michael R.. 2014. Tuberculosis: Practical guide for clinicians, nurses, laboratory technicians and medical auxiliaries, Dalam *Medicine Sana Frontiers Partners In Health*.
- Geary, M., dan Breathnach, F., 2006, *Standard medical therapy*, Ireland : Royal College of Surgeons.
- Gerald K. McEvoy. 2011. AHFS Drug Information Essential. American Society of Health System Pharmacists® : Bethesda, Maryland,
- Hadiani, M.A., 2011, Klasifikasi Obat Gawat Darurat Menggunakan Analisis ABC-VED di Instalasi Farmasi RSUD Dr. Moewardi Surakarta, *Jurnal Teknik WAKTU*, Vol. 9 No.2.
- Heart Foundation, 2016, Guideline for the Diagnosis and Management of Hypertension in Adults.
- Hoorn, E.J., dan Zietse, R., 2017, *Diagnosis and Treatment of Hyponatremia: Compilation of the Guidelines*, Netherlands : Department of Internal Medicine.
- Jakson J., et al, *Insulin Algorithm for Type 2 Diabetes Mellitus in Children and Adults*, Texas Diabetes, 2005.
- Johnstone, A. 2005, *Gout Farmakologi*, Terjemahan Diana Larawati.
- JNC 7, 2003, *Prevention, Detection, Evaluation, and Treatment Of High Blood Pressure*.
- Khardori, R. (2018). *Medscape drugs and disease: Type 2 Diabetes Mellitus* . New York, NY : WebMD LLC.
- Kardalas, E., Paschou, S.A., Anagnostis, P., Muscogiuri, G *et al*, 2018, *Hypokalemia: a clinical update*, Greece : Endocrine connections.
- Katzung B.G. 2007. *Basic and Clinical Pharmacology*. 10<sup>th</sup> ed Boston: McGraw Hill.
- Kent Pharmaceuticals Ltd, 2014. *The Electronic Medicines Compendium*.
- Kaysin A, Viera AJ. 2016. Community-acquired pneumonia in adults: diagnosis and management. *American Family Physician*. 94(9):698-706.
- Kavoussi LR, Novick AC, Partin A. W., Peters, C.A., 2012, *Campbell-Walsh Urology 10 th edition*, USA: Saunders.
- KDIGO. 2012. *Clinical Practice Guideline for Anemia in Chronic Kidney Disease*. Official Journal of the International Society of Nephrology.



- Keerthi, N., Kumar, K., Bhaskaran, Prasad, K *et al*, 2018, *Clinical efficacy of two antimicrobials (ceftriaxone and metronidazole) versus three antimicrobials (ceftriaxone, metronidazole and amikacin) in perforative peritonitis, India* : International Surgery Journal.
- Komisi Akreditasi Rumah Sakit (KARS), 2018, *Penilaian Akreditasi Rumah Sakit*. Jakarta.
- Lacy, F.C., Lora, L.A., Morton, P.G., and Leonard, L.L., 2009, *Drug Information Handbook 17th ed.*, American Pharmacists Association, New York.
- Ling, V dan Fitzgerald, M., 2016, *Clinical Guideline for the Management of Hypokalemia*, Royal Cornwall Hospitals : NHS Trust.
- Manatsathit S, Dupont HL, Farthing M, Kositchaiwat C, Leelakusolvong S, Ramakrishna BS, dkk. 2002. Guideline for the management of acute diarrhea in adults. *Journal of Gastroenterology and Hepatology*.
- Mark H. 2008. Outpatient vs inpatient treatment of community acquired pneumonia. *Family Practice Management*. USA.
- Reed, M. R. and Woolley, T., 2014, *Uses of Tranexamic Acid*, Anaesthetic Department, UK.
- McEvoy, Gerald K., et al., 2011, *AHFS Drug Information, American Society of Health-System Pharmacist*, Bethesda, Maryland.
- MIMS, 2014, Sifrol Dosage and Drug Information, (online). (<http://www.mims.com/indonesia/drug/info/sifrol>, diakses 27 Mei 2019).
- Medicines Information, 2017, CGH, *Guideline for the Management of Hypokalaemia in Adults*.
- Nuartha, 2008. *Penanganan Terkini Stroke*. Laboratorium Neurologi Fakultas Kedokteran Universitas Udayana, Denpasar.
- WSCCG Medicines Management Team, 2017, *Pain Ladder – Acute Pain*, NHS.
- Pagana, K.D., Pagana, T.J. dan Pagana, T.N., 2015, *Mosby's Diagnostic & Laboratory Test Reference*, St. Louis : Elsevier.
- Peraturan Menteri Kesehatan RI, 2009, *Undang- Undang No.39 Tentang Kesehatan*, Jakarta : Menteri Kesehatan Republik Indonesia.
- Peraturan Menteri Kesehatan RI, 2011, *Tentang Keselamatan Pasien Rumah Sakit*, Jakarta: Menteri Kesehatan Republik Indonesia.
- Peraturan Menteri Kesehatan RI, 2016, *Tentang Standar Pelayanan Kefarmasian di Rumah Sakit*, Jakarta: Menteri Kesehatan Republik Indonesia.
- Peraturan Rumah Sakit Kabupaten Sidoarjo. Keputusan Direktur RSUD Kabupaten Sidoarjo No. 188/154/4046.8/2017, Sidoarjo.



- Perhimpunan Dokter Spesialis Kardiovaskular Indonesia, 2015, Pedoman Tatalaksana Hipertensi pada Penyakit Kardiovaskular, Edisi Pertama, Jakarta.
- Perhimpunan Dokter Spesialis Kardiovaskular Indonesia, 2016, Pedoman PanduanPraktikKlinikdan *clinical phatway*penyakitjantungdanpembuluhdarah , Jakarta.
- PDPI (PerhimpunanDokterParu Indonesia). 2006. TuberkulosisPedoman Diagnosis danPenatalaksanaan di Indonesia. Indah Offset Citra Grafika. Jakarta.
- PERKI, 2015, PedomanTatalaksanaHipertensipadaPenyakitHipertensidanKardiovaskular, Jakarta : Indonesian Heart Association.
- Pharmacological Approaches to Glycemic Treatment :Standart of Medical Care in Diabetes - 2018, Diabetes Care 2018 ; 41 (Suppl.1) : S73-S85.
- Prata, N., danWeidert, K., 2016, *Efficacy of misoprostol for the treatment of postpartum hemorrhage: current knowledge and implications for health care planning*, California : International Journal of Women's Health.
- Price, Sylvia A. 2005.Patofisiologi KonsepKlinis Proses-Proses Penyakit, Volume 2. Jakarta: ECG.
- Prutsky G, Salazar CA. 2016. Antifibrinolytic therapy to reduce haemoptysis from any cause. USA.
- Purnomo BB. 2012. *Bukukuliahdasar–dasarurologi*. Jakarta: CV Infomedika.
- Ramirez J A, Antonio R A. 2011. Changing Needs of Community-Acquired Pneumonia. Journal of Antimicrobial Chemotherapy. USA.
- Rodrigues J., and Mitta N., 2011, Diabetic Foot and Gangrene, Gangrene: Current Concepts and Management Option, InTech Europe Journal, ISBN: 978.
- Shah, A.P., Zadeh, K.K., Kopple, J.D., 2015, Is There a Role for KetoacidSupplemenrs un the Management of CKD?.,*American Journal of Kidney Disease*.
- Shulman, S.T., Bisno, AL., Clegg, H.W., Gerber, MA., Kaplan, E.,L., Lee, G., dkk., 2012. Clinical Practice Guideline for the Diagnosis and Management of Group A Streptococcal Pharyngitis: 2012 Update by Infectious Diseases Society of America. Clinical Infectious Diseases.
- Sweetman, S.C., 2009, *Martindale: The Complete Drug Reference 36th ed.*, Pharmaceutical Press, London.
- Tuzel, E., Aktepe, O,C., and Akdogan, B., 2013, Prospective Comprative Study of Two Potocols of Antibiotic Prophylaxis in Percutaneous Nephrolithotomy, *Journal of Enourology*, Vol 27 (2).



- Tjokroprawiro, A, Buku Ajar Ilmu Penyakit Dalam, Edisi :2, Fakultas Kedokteran Universitas Airlangga, 2015.
- Misiolek, H., Cattler, M., Woron, J., Wordliczek, J., Dobrogowski, J., Zawadzka, E.M., 2014, *The 2014 Guidelines for post-operative pain management*, *Anesthesiology Intensive Therapy*, Vol.46 (4), pp. 221-244.
- Transfusion of Packed Red Cell - Indication, Triggers and adverse event, *Dtsch Arztebl Int* 2015;112: page : 507- 518.
- Trompeter and Cohen, *Guidelines for the Management of Transfusion Dependent Thalassaemia (TDT)* [Internet]. 3rd edition, 2014.
- Wagner, 1983, *Classification of Diabetic Foot Ulcers*, Dalam *NICE Clinical Guideline*, 2015, *Diabetic Foot Problems Prevention and Management*, National Institute for Health and Care Excellence.
- WHO, 2010, *WHO Pain Ladder with Pain Management Guidelines*, *SWRWC Toolkit*, 1.
- WHO, 2012, *WHO recommendations for the prevention and treatment of postpartum haemorrhage*, World Health Organization.
- World Health Organization. *Haemoglobin Concentration For The Diagnosis Of Anaemia And Assessment Of Severity*. 2014.[Internet]. Diakses pada Juni 2019 Di [www.who.int/vmnis/indicators](http://www.who.int/vmnis/indicators).
- Wright, G., Webb, K., Clarkson, A., dan Joseph, A., *Cross Health Care Boundaries Maternity Clinical Guideline*, Nottingham University Hospitals : NHS Trust.
- Yamamoto, S., Shigemura, K., Kiyota, H and Arakawa, S., 2016, *Antimicrobial Prophylaxis in Urological Surgery*, Department of Urology, Japa : Hyogo.