

BAB 5

SARAN

Saran selama pelaksanaan Praktek Kerja Profesi Apoteker (PKPA) Rumah Sakit secara daring:

- 5.1 Bila praktek profesi apoteker dilakukan daring/*online*, penambahan foto atau video mengenai pekerjaan kefarmasian di rumah sakit dapat meningkatkan pemahaman calon apoteker tentang dunia kerja atau pelayanan kefarmasian di rumah sakit.
- 5.2 Bila praktek profesi apoteker dilakukan secara daring/*online*, untuk meningkatkan pemahaman calon apoteker dapat menambah waktu diskusi dengan preceptor untuk membahas kasus atau tugas seorang apoteker yang bekerja pada pelayanan kefarmasian di rumah sakit
- 5.3 Praktisi dapat memberikan contoh gambaran pembagian *job description* masing-masing Apoteker di setiap instalasi farmasi.
- 5.4 Kasus yang diberikan diharapkan fokus dengan materi yang dijadwalkan pedoman PKPA Rumah Sakit, jika ada kasus yang kompleks maka kasus disesuaikan yang setara S1 Profesi Apoteker
- 5.5. Praktisi dapat memberikan arahan terkait materi dan cara pelayanan kefarmasian di Rumah Sakit sehingga mahasiswa dapat gambaran pada saat ujian OSCE dan saat di dunia kerja

DAFTAR PUSTAKA

- Aithal, G. P., Palaniyappan, N., China, L., Härmälä, S., Macken, L., Ryan, J. M., ... Verma, S., 2020, *Guidelines on the management of ascites in cirrhosis. Gut, gutjnl*–2020–321790.
- Akhondi H, Sabih DE. Liver Abscess, 2020, In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK538230/>
- Albawi M.A., Albalawi, S.A., Albalawi T. H., Almuhawwis, K.S., Alswilem, M.A., Aldakhil, M.F., Asiri, Y.W., Alruwaili, A.K., Almannaa, A.A. and Alharith, M.S, 2019, Evaluation of Recent Updates Regarding Acetaminophen-Induced Acute Liver Failure.
- Alvandipor, M., Ala, S., Tavakoli, H. 2016, Efficacy of 10% sucralfate ointment after anal fistulotomy; a prospective, double-blind, randomized, placebo-controlled trial. *J Int Surg*, 36:13-17.
- Asadi-Pooya, A. A. (2015). High dose folic acid supplementation in women with epilepsy: Are we sure it is safe? *Seizure*, 27, 51–53.
- Bartlett, J. G., Auwaerter, P. G., & Pham, P. A., 2011, *Johns Hopkins ABX Guide 2012*. Jones & Bartlett Publishers.
- Bennett C, Klingenberg SL, Langholz E, Gluud LL., 2014, Tranexamic acid for upper gastrointestinal bleeding. *Cochrane Database of Systematic Reviews 2014*, Issue 11
- Bergsneider, M., Miller, C., Vespa, P.M and Hu, X., 2008, Surgical Management of Adult Hydrocephalus, *Neurosurgery*, volume 62.
- BC Renal, 201, Management Constipation In Patients with Chronic Kidney Disease.
- BNF, 2020, British National Formulary. Royal Pharmaceutical Society: London.
- Boultoun, A.J.M., Armstrong, D.G., Kirsner, R.S., Attinger, C.E., Lavery, L.A., Lipsky, B.A., Mills, J.R., and Steinberg, J.S, 2018. Diagnosis and Management of Diabetic Foot Complications. *American Diabetes Association*.
- BPOM, 2020, Modul Farmakovigilans Dasar, Pusat Farmakovigilans/MESO Nasional, Jakarta.
- Brodier et al., 2020, Use of nebulised N-acetylcysteine as a life-saving mucolytic in intensive care: A case report, *Journal of the Intensive Care Society*, 21(4):296-298.
- Cook, K.M., and Greer, D.M., 2020. Anemias. In: Yee, G.C. (ED), *Pharmacotherapy A Pathophysiologic Approach*, Eleventh edition, McGraw-Hill Education Companies, Inggris.
- College of Respiratory Therapist of Ontario, 2013, Oxygen Therapy : Clinical Practice Guideline.
- Chen, N.-N., Zhao, D.-J., Sun, Y.-X., Wang, D.-D., & Ni, H., 2019, Long-Term Effects of Zinc Deficiency and Zinc Supplementation on Developmental Seizure-Induced Brain Damage and the Underlying GPR39/ZnT-3 and MBP Expression in the Hippocampus. *Frontiers in Neuroscience*, 13.

- Departemen Kesehatan RI, 2009, *Pedoman Pengelolaan Vaksin*. Direktorat Jendral Bina Kefarmasian dan Alat Kesehatan dan Direktorat Bina Obat Publik dan Perbekalan Kesehatan. Jakarta: Departemen Kesehatan Republik Indonesia.
- Devaraj, S., Ismail S., Fei, S.R., Marimuthu S., and Fei, Y.M, 2010, Evaluation of the hepatoprotective activity of standardized ethanolic extract of *Curcuma xanthorrhiza* Roxb, 4(23) : 2512-2517.
- DiPiro J.T., Wells B.G., Schwinghammer T.L. and DiPiro C. V., 2020, *Pharmacotherapy A Pathophysiologic Approach* : Eleventh edition McGraw-Hill Education Companies, Inggris.
- Driscoll, B.R.O., Howard, L.S., Earis, J. and Mak, V., 2017, British Thoracic Society Guideline for oxygen use in adults in healthcare and emergency settings.
- Edo, F. I. U., 2018, Profil Penyimpanan Vaksin Pada Unit Pelaksana Teknis Dinas (Uptd) Instalasi Farmasi Di Kabupaten Ende Tahun 2018 Karya Tulis Ilmiah.
- ElHafeez et al., 2019, Non-steroidal anti-inflammatory drugs among chronic kidney disease patients: an epidemiological study. *Journal of the Egyptian Public Health Association*, 94:8
- Fernández, J., Tandon, P., Mensa, J., Garcia-Tsao, G., 2016, Antibiotic prophylaxis in cirrhosis: Good and bad. *Hepatology*, 63(6), 2019–2031.
- Glazer, E.S. and Czuczwar., 2014, Vitamin C : New Auxiliary Treatment of epilepsy.
- Health Care Association of New Jersey, 2006, Pain Management Guideline Guideline.
- HIV/AIDS Konsulat Jenderal Republik Indonesia. <https://kemlu.go.id/download/L1NoYXJlZCUyMERvY3VtZW50cy9UQUJMT0lEL3RhYmxvaWQlMjBCcm9zdXIlMjBBSURTLnBkZg==>. Diakses 1 Maret 2021.
- Hoorn, E.J and Zietse, E., 2017, *Diagnosis and Treatment of Hyponatremia: Compilation of the Guidelines, Department of Internal Medicine, Division of Nephrology and Transplantation*, Rotterdam, Netherlands.
- Hudson, J.Q., Wazny, L.D., and Komenda, P., 2020. Chronic Kidney Disease. In: Nolin, T.D. (ED), *Pharmacotherapy A Pathophysiologic Approach*, Eleventh edition, McGraw-Hill Education Companies, Inggris.
- Imani, F., Motavaf, M., Safari, S. and Alavian, S.M., 2014, The Therapeutic Use of Analgesics in Patient With Liver Cirrhosis.
- Isola, S., Hussain, A., Dua, A., Singh, K. and Adams, N. Metoclopramide. *Stats Pearls Publishing*.
- JNC 8, 2014, Evidence Based Guideline for the Management of High Blood Pressure in Adults.
- Kaogeropoulos, A.P., Goulbourne, C. and Butler, J., 2019, *Diagnosis and Prevention of Hypertensive Heart Failure*, Prevention of Hypertensive Heart Failure.
- KDIGO, 2012. KDIGO Clinical Practice Guideline for Anemia in Chronic Kidney Disease
- KDIGO, 2020. KDIGO Clinical Practice Guideline on The Management of Blood Pressure in Chronic Kidney Disease.
- Kemenkes, 2011, Pedoman Nasional : Tatalaksana Klinis dan Infeksi HIV dan Terapi Antiretroviral pada Orang Dewasa. Jakarta.

- Kementerian Kesehatan Republik Indonesia, 2019, Petunjuk Teknis Standar Pelayanan Kefarmasian di Rumah Sakit, Jakarta.
- Kepala Badan Pengawas Obat dan Makanan, 2018, Peraturan Badan Pengawas Obat dan Makanan Nomor 4 Tahun 2018 Tentang Pengawasan Pengelolaan Obat, Bahan Obat, Narkotika, Psikotropika, dan Prekursor Farmasi di Fasilitas Pelayanan Kefarmasian.
- Kepala Badan Pengawasan Obat dan Makanan, 2019, Peraturan Badan Pengawas Obat dan Makanan Nomor 10 Tahun 2019 tentang Pedoman Pengelolaan Obat - Obat Tertentu yang Sering Disalahgunakan.
- Kepala Badan Pengawasan Obat dan Makanan, 2019, Peraturan Badan Pengawas Obat dan Makanan Nomor 9 Tahun 2019 tentang Cara Distribusi Obat yang Baik.
- Khan, T.M., Patel, R., and Siddiqui, A.H., 2021. Furosemide. *StatPearls Publishing*.
- Klahan, Y., Alkaff, FF., 2018, Hematemesis on Hepatic Chirrhosis Patient in Area with Limited Facilities. *Biomolecular and Health Science Journal*, 1(1):p 58-60
- Komisi Akreditasi Rumah Sakit, 2018, Standar Nasional Akreditasi Rumah Sakit (SNARS) edisi 1, Jakarta : KARS.
- Kumar, A., Ashwlayan, V., Verma, M., 2019, Diagnostic approach & pharmacological treatment regimen of Peptic Ulcer Disease, *Pharmacy and Pharmaceutical Research Open Access Journal*, 1 (1):1-12.
- Lacy, C.F., Amstrong, L.L., Goldman, M.P., dkk., 2009, *Drug Information Handbook*, Edisi 17, American Pharmacist Association, USA.
- Lang-Birken, S.L., and Jung, S.R., 2020. Sepsis and Septic Shock. In: Dipiro, J.T. (ED), *Pharmacotherapy A Pathophysiologic Approach*, Eleventh edition, McGraw-Hill Education Companies, Inggris.
- Lee, M., and Sharifi, R., 2020. Benign Prostat Hyperplasia. In: Posey, M.L. (ED), *Pharmacotherapy A Pathophysiologic Approach*, Eleventh edition, McGraw-Hill Education Companies, Inggris.
- Maker, J.H., Roller, L., and Dager, W.E., 2020. Acute Kidney Injury. In: Nolin, T.D. (ED), *Pharmacotherapy A Pathophysiologic Approach*, Eleventh edition, McGraw-Hill Education Companies, Inggris.
- McEvoy, G.K., 2011, AHFS Drug Information, American Society of Health-System Pharmacist, Bethesda, Maryland.
- Menteri Kesehatan Republik Indonesia. 2013. Peraturan Menteri Kesehatan Nomor 21 tahun 2013 tentang Penanggulangan HIV dan AIDS, Jakarta.
- Menteri Kesehatan Republik Indonesia, 2014, Peraturan Menteri Kesehatan Nomor 87 tahun 2014 tentang Pedoman Pengobatan Antiretroviral, Jakarta.
- Menteri Kesehatan Republik Indonesia, 2015, Peraturan Menteri Kesehatan Republik Indonesia Nomor 3 Tahun 2015 Tentang Peredaran, Penyimpanan, Pemusnahan dan Pelaporan Narkotika, Psikotropika dan Prekursor Farmasi.
- Menteri Kesehatan Republik Indonesia, 2015, Peraturan Menteri Kesehatan Republik Indonesia Nomor 8 Tahun 2015 tentang Program Pengendalian Resistensi Antimikroba di Rumah Sakit, Jakarta.

- Menteri Kesehatan Republik Indonesia, 2016, Peraturan Menteri Kesehatan Republik Indonesia Nomor 72 Tahun 2016 tentang Standar Pelayanan Kefarmasian di Rumah Sakit, Jakarta.
- Menteri Kesehatan Republik Indonesia, 2017, Peraturan Menteri Kesehatan Republik Indonesia Nomor 12 Tahun 2017 tentang Penyelenggaraan Imunisasi, Jakarta.
- Menteri Kesehatan Republik Indonesia, 2019, Peraturan Menteri Kesehatan Republik Indonesia Petunjuk Teknis Standar Pelayanan Kefarmasian di Rumah Sakit, Jakarta.
- Menteri Kesehatan Republik Indonesia, 2019, Keputusan Menteri Kesehatan Republik Indonesia Nomor HK.01.07/MENKES/90 tentang Pedoman Nasional Pelayanan Kedokteran Tata Laksana HIV. Jakarta.
- Menteri Kesehatan Republik Indonesia, 2020, Keputusan Menteri Kesehatan Republik Indonesia Nomor HK.01.07/MENKES/200/2020 tentang Pedoman Penyusunan Formularium Rumah Sakit.
- Mukherjee, S., and John, S., 2020, Lactulose, *StatPearls Publishing, Treasure Island*.
- Metlay *et al.*, 2019, Diagnosis and Treatment of Adults with Community-acquired Pneumonia, *American Thoracic Society Documents*, 200(7):45-67.
- National Health Service, 2012, Symptom control in patients with chronic kidney disease/ renal impairment, *Palliative Care Guidelines: Renal Palliative Care*.
- National Institute for Health and Care Excellence, 2012, Epilepsies : Diagnosis and Management, *Clinical Guideline*.
- Nguyen, V.V., Dergalust, S., and Chang, E., 2020. Epilepsy. In: Ellingrod, V.L. (ED), *Pharmacotherapy A Pathophysiologic Approach*, Eleventh edition, McGraw-Hill Education Companies, Inggris.
- Nugraha, D.A., 2017, Diagnosis dan Tatalaksana Perdarahan Saluran Cerna Bagian Atas Non-Variseal, *CDK-252/ vol. 44 no. 5*.
- NHS, 2015, Advice on the Management of Adults over 18 years with Vitamin D Deficiency or Insufficiency in Primary and Secondary Care.
- Ojeda A. and Moreno, L.A., 2014, Pain Management in patient with liver cirrhosis. *Open access Macedonian journal of medical sciences*, 4(2), 283.
- Peraturan Pemerintah Republik Indonesia, 2001, Peraturan Pemerintah No. 74 tahun 2001 tentang Pedoman Pengelolaan Bahan Berbahaya dan Beracun.
- PERKI, 2020, Pedoman Tatalaksana Gagal Jantung.
- PERNEFRI, 2011, Konsensus Nutrisi Pada Penyakit Ginjal Kronik.
- Presiden RI, 2009, Undang Undang Republik Indonesia Nomor 44 Tahun 2009 tentang Rumah Sakit, Jakarta.
- Peraturan Menteri Kesehatan Republik Indonesia, 2020, Peraturan Menteri Kesehatan Republik Indonesia Nomor 3 Tahun 2020 tentang Klasifikasi dan Perizinan Rumah Sakit, Jakarta.

- Presiden RI, 2015, Peraturan Presiden Republik Indonesia Nomor 77 Tahun 2015 tentang Pedoman Organisasi Rumah Sakit, Jakarta.
- Queensland, 2020, Fluid and Electrolyte Guideline Working Party.
- Rossing, K., Jacobsen, P., Pietraszek, L. and Parving, H.H. 2003. Renoprotective Effect of Adding Angiotensin II Receptor Blocker to Maximal Recommended Doses of ACE Inhibitor in Diabetic Nephropathy.
- Rusly, 2016, Farmasi Rumah Sakit dan Klinis, Modul Bahan Ajar Cetak Farmasi : Kementerian Kesehatan Republik Indonesia.
- Satoh, K., Yoshino, J., Akamatsu, T., Itoh, T., Kato, M., Kamada, T., Shimosegawa, T, 2016, Evidence-based clinical practice guidelines for peptic ulcer disease 2015. *Journal of Gastroenterology*, 51(3), 177–194.
- Sease, J.M., and Wilder, A, A.G., 2020. Portal Hypertension and Cirrhosis. In: Dipiro, J.T. (ED), *Pharmacotherapy A Pathophysiologic Approach*, Eleventh edition, McGraw-Hill Education Companies, Inggris.
- Scarpignato, C. Clinical Pharmacology of Active Variceal Bleeding. 2016.
- Stojceva-Taneva, O., Taneva, B., & Selim, G., 2016, Hypercalcemia as a Cause of Kidney Failure: Case Report.
- The Korean Association for the Study of the Liver (KASL), 2018, Clinical Practice Guideline for Liver Cirrhosis : *Ascites and Related Complications, Clinical and Molecular Hepatology*.
- The Renal Association, 2020, Clinical Practice Guidelines Treatment of Acute Hyperkalaemia in Adults.
- Thiebaud, P.-C., Yordanov, Y., Galimard, J.-E., Raynal, P.-A., Beaune, S., and Pateron, D., 2017, Management of upper gastrointestinal bleeding in emergency departments, from bleeding symptoms to diagnosis: a prospective, multicenter, observational study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 25(1): 1-9.
- Tong. Y., 2014, Intractable & Rare Diseases Research, Seizures Caused by Pyridoxine (vitamin B6) Deficiency in Adults: A case Report and Literature Review, **3(2)**:52-56.
- Trujillo, J and Haines, S.T., 2020. Diabetes Mellitus. In: Haines, S.T. (ED), *Pharmacotherapy A Pathophysiologic Approach*, Eleventh edition, McGraw-Hill Education Companies, Inggris.
- Wang, C. H., Sun, C.-K., Jiang, J.-S., & Tsai, M. H., 2016, *Tumor-Like Liver Abscess Mimicking Malignancy With Lung Metastases in a Patient With Acute Renal Failure. Medicine*, 95(11).
- World Health Organization, 2010. Clinical use of blood Handbook, WHO: 61 & 66.
- World Health Organization, 2019, Update of recommendations on first- and second-line antiretroviral regimens.
- World Health Organization ,Thermostability of Vaccines, 1998, World Health Organization, VVM for All.
www.WHO.Int/VaccinesAccess/Vacman/VVM/vvmmainpage.Htm.

- World Health Organization. Vaccines, Immunization And Biologicals. The Cold Chain.2002.
http://www.WHO.Int/Vaccines%Access/Vacman/Coldchain/TheCold_Chain_.Htm,diakses tanggal 21 Februari 2021.
- Xu, R., Sun, S., Huo, Y., Yun, L., Huang, S., Li, G., and Yan, S. 2015. Effects of ACEIs Versus ARBs on Proteinuria or Albuminuria in Primary Hypertension : A Meta-Analysis of Randomized Trials.