

BUKU SAKU

**VAKSIN
LANGKAH PREVENTIF
CEGAH COVID-19**

A detailed 3D rendering of several COVID-19 virus particles. The particles are spherical with a textured, greyish surface and numerous dark, spike-like protrusions (glycoproteins) extending from their surfaces. They are set against a dark, reddish-purple background.

**ERIKA MARTINING WARDANI
RIEKY FAISAL NUGROHO**

MODUL

VAKSIN LANGKAH PREVENTIF CEGAH COVID-19

Penulis :

Erika Martining Wardani

Riezky Faisal Nugroho

© Penerbit

Universitas Nahdlatul Ulama Surabaya

Jln. SMEA no. 57 Surabaya

Telp. (031) 8284508

Dilarang mengutip atau memperbanyak dengan cara apapun tanpa izin tertulis dari penerbit.

Hak cipta dilindungi undang-undang

KATA PENGANTAR

Alhamdulillah, segala puji dan syukur penulis panjatkan kehadirat Allah SWT karena buku ini selesai disusun. Buku ini disusun untuk membantu para mahasiswa dalam mempelajari konsep imunisasi, vaksinasi dan untuk mempermudah mempelajari materi Keperawatan Medikal Bedah.

Penulis menyadari apabila dalam penyusunan buku ini terdapat kekurangan, tetapi penulis meyakini sepenuhnya bahwa sekecil apapun buku ini tetap memberikan manfaat.

Akhir kata guna penyempurnaan buku ini kritik dan saran dari pembaca sangat penulis nantikan.

Surabaya, November 2021

Penulis

DAFTAR ISI

Halaman Sampul.....	i
Kata Pengantar.....	iii
Daftar Isi.....	iv
Bab 1 Imunisasi.....	1
Bab 2 Vaksinasi.....	8
Bab 3 Covid-19.....	16
Bab 4 Vaksin covid-19.....	38
Bab 4 Pencegahan covid	47
DAFTAR PUSTAKA	

DAFTAR PUSTAKA

- Arshad Ali, S., Baloch, M., Ahmed, N., Arshad Ali, A., & Iqbal, A. (2020). The outbreak of Coronavirus Disease 2019 (COVID-19)—An emerging global health threat. *Journal of Infection and Public Health*, 13(4), 644–646. <https://doi.org/10.1016/j.jiph.2020.02.033>
- Badan penelitian dan pengembangan kesehatan.(2018). Riset kesehatan dasar 2018. Jakarta.
- Barratul Rafi. 2021. <https://newssetup.kontan.co.id/news/kenali-efek-sampingnya-inilah-10-jenis-vaksin-covid-19-yang-digunakan-di-indonesia?page=all> . Diakses tanggal 20 Oktober 2021.
- Butarbutar, M. H. (2018). Hubungan kecemasan ibu tentang efek samping imunisasi DPT dengan pemberian imunisasi DPT. *Jurnal Akrab Juara*, 3, 1-8.
- Dinkes Bali. 2021. <https://www.diskes.baliprov.go.id/yuk-kenali-lebih-jauh-vaksinasi-covid-19/>. Diakses tanggal 21 Oktober 2021.
- Dinkes Jateng. 2021. https://dinkesjatengprov.go.id/v2018/storage/2021/07/buku-saku-vaksinasi-covid-19_28mei2021-.pdf . Diakses tanggal 21 Oktober 2021.
- Gennaro, F. Di, Pizzol, D., Marotta, C., Antunes, M., Racalbuto, V., Veronese, N., & Smith, L. (2020). Coronavirus Diseases (COVID-19) Current Status and Future Perspectives : A Narrative Review. *International Journal of Environmental Research and Public Health*Environmental Research and Public Health, 17(2690), 1–11. <https://doi.org/10.3390/ijerph17082690>.
- Girmay, A. & Dadi, A. F. (2019). Full immunization coverage and associated factors among children aged 12-23 months in a hard-to-reach areas of Ethiopia. *International Journal of Pediatric*. 2019, 1-8. <https://doi.org/10.1155/2019/1924941>.
- Grace, celline. (2020). Manifestasi Klinis dan Perjalanan Penyakit pada Pasien Covid-19. *Medical Journal Of Lampung University*, 9(1), 49–55.
- Hamid, H., Abid, Z., Amir, A., Rehman, T. U., Akram, W., & Mehboob, T. (2020). Current burden on healthcare systems in low- and middle-income countries: recommendations for emergency care of COVID-19. *Drugs and Therapy Perspectives*, 36(10), 466–468. <https://doi.org/10.1007/s40267-020-00766-2>
- Han, J., Shi, L. X., Xie, Y., Zhang, Y. J., Huang, S. P., Li, J. G., ... Shao, S. F. (2020). Analysis of factors affecting the prognosis of COVID-19 patients and viral shedding duration. *Epidemiology and Infection*, 1–10. <https://doi.org/10.1017/S0950268820001399>
- Hong, Y., Wu, X., Qu, J., Gao, Y., Chen, H., & Zhang, Z. (2020). Clinical characteristics of Coronavirus Disease 2019 and development of a prediction model for prolonged hospital length of stay. *Annals of Translational Medicine*, 8(7), 443–443. <https://doi.org/10.21037/atm.2020.03.147>
- Huang, C., Wang, Y., Li, X., Ren, L., Zhao, J., Hu, Y., ... Gu, X. (2020). Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China. *The Lancet*, 395(10223), 497–506.
- Jiang, F., Deng, L., Zhang, L., Cai, Y., Cheung, C. W., & Xia, Z. (2020). Review of the Clinical Characteristics of Coronavirus Disease 2019 (COVID-19). *Journal of General Internal Medicine*, 35(5), 1545–1549. <https://doi.org/10.1007/s11606-020-05762-w>

- Kemenkes RI. (2017). Pedoman pemantauan dan penanggulangan kejadian ikutan pasca imunisasi. Jakarta: Kementerian Kesehatan RI.
- Kemenkes RI. (2017). Imunisasi lanjutan pada anak. Jakarta: Kementerian Kesehatan RI.
- Kemenkes RI. (2018). Profil kesehatan Indonesia tahun 2018. Jakarta: Kementerian Kesehatan RI.
- Kemenkes RI. 2021. <https://covid19.go.id/p/berita/protokol-kesehatan-yang-diperkuat-vaksin-adalah-upaya-pencegahan-terbaik>.
- Kemenkes RI. 2021. Keputusan direktur jenderal pencegahan dan Pengendalian penyakit nomor hk.02.02/4/ 1 /2021 tentang Petunjuk teknis pelaksanaan vaksinasi dalam rangka Penanggulangan pandemi corona virus disease 2019 (covid-19).
- Lapostolle, F., Schneider, E., Vianu, I., Dollet, G., Roche, B., Berdah, J., ... Adnet, F. (2020). Clinical Features of 1487 COVID - 19 Patients with Outpatient Management in the Greater Paris : the COVID - Call Study. *Internal and Emergency Medicine*, (0123456789). <https://doi.org/10.1007/s11739-020-02379-z>
- Mizumoto, K., Kagaya, K., Zarebski, A., & Chowell, G. (2020). Estimating the asymptomatic proportion of coronavirus disease 2019 (COVID-19) cases on board the Diamond Princess cruise ship, Yokohama, Japan, 2020. *Eurosurveillance*, 25(10). <https://doi.org/10.2807/1560-7917.ES.2020.25.10.2000180>
- Mulyani, N. S. (2013). Imunisasi untuk anak. Yogyakarta: Nuha Medika.
- Pemerintah Kota Surabaya. (2020). Surabaya Tanggap COVID-19. Retrieved January 3, 2021, from <https://lawancovid-19.surabaya.go.id/visualisasi/graph>
- Proverawati, A. (2015). Imunisasi dan vaksinasi. Yogyakarta: Nuha Offset.
- Rees, E. M., Nightingale, E. S., Jafari, Y., Waterlow, N. R., Clifford, S., Carl, C. A., ... Knight, G. M. (2020). COVID-19 length of hospital stay: A systematic review and data synthesis. *BMC Medicine*, 18(1). <https://doi.org/10.1186/s12916-020-01726-3>
- Roncon, L., Zuin, M., Rigatelli, G., & Zuliani, G. (2020). Diabetic patients with COVID-19 infection are at higher risk of ICU admission and poor short-term outcome. *Journal of Clinical Virology*, 127(April), 104354. <https://doi.org/10.1016/j.jcv.2020.104354>
- Suparyanto. (2011). Tumbuh kembang dan imunisasi. Jakarta: EGC.
- Susilawati, S., Falefi, R., & Purwoko, A. (2020). Impact of COVID-19's Pandemic on the Economy of Indonesia. *Budapest International Research and Critics Institute (BIRCI-Journal): Humanities and Social Sciences*, 3(2), 1147–1156. <https://doi.org/10.33258/birci.v3i2.954>
- Tascioglu, D., Yalta, K., & Yetkin, E. (2020). Hypertension and diabetes mellitus in patients with COVID 19: A viewpoint on mortality. *Cardiovascular Endocrinology and Metabolism*, 108–109. <https://doi.org/10.1097/XCE.0000000000000213>
- Thai, P. Q., Toan, D. T. T., Dinh, T. S., Hoang, T. H. Van, Luu, N. M., Xuan Hung, L., ... Le, T. H. (2020). Factors associated with the duration of hospitalization among COVID-19 patients in Vietnam: A survival analysis. *Epidemiology and Infection*. <https://doi.org/10.1017/S0950268820001259>
- Wang, D., Hu, B., Hu, C., Zhu, F., Liu, X., Zhang, J., ... Xiong, Y. (2020). Clinical characteristics of 138

hospitalized patients with 2019 novel coronavirus–infected pneumonia in Wuhan, China. *Jama*, 323(11), 1061–1069.

- Wolff, D., Nee, S., Hickey, N. S., & Marschollek, M. (2020). Risk factors for Covid-19 severity and fatality: a structured literature review. *Infection*, (0123456789). <https://doi.org/10.1007/s15010-020-01509-1>
- World Health Organization. (2020a). *COVID-19 weekly epidemiological update, 27 December 2020*. World Health Organization.
- Wu, S., Xue, L., Legido-Quigley, H., Khan, M., Wu, H., Peng, X., ... Li, P. (2020). Understanding factors influencing the length of hospital stay among non-severe COVID-19 patients: A retrospective cohort study in a Fangcang shelter hospital. *PLoS ONE*, 15(10 October), 1–14. <https://doi.org/10.1371/journal.pone.0240959>
- Wu, Z., & McGoogan, J. M. (2020). Characteristics of and Important Lessons From the Coronavirus Disease 2019 (COVID-19) Outbreak in China. *JAMA*, 323(13), 1239. <https://doi.org/10.1001/jama.2020.2648>
- Yang, J., Zheng, Y., Gou, X., Pu, K., & Chen, Z. (2020). Prevalence of comorbidities and its effects in patients infected with SARS-CoV-2. *International Journal of Infectious Diseases*, 94(April), 91–95.
- Zuin, M., Rigatelli, G., Zuliani, G., Rigatelli, A., Mazza, A., & Roncon, L. (2020). Arterial hypertension and risk of death in patients with COVID-19 infection: Systematic review and meta-analysis. *Journal of Infection*, 81(1), e84–e86. <https://doi.org/10.1016/j.jinf.2020.03.059>



BIODATA PENULIS

Erika Martining Wardani, saat ini merupakan dosen tetap di program Studi S1 Keperawatan Fakultas Keperawatan dan Kebidanan Universitas Nahdlatul Ulama Surabaya. Latar belakang pendidikan penulis ini dimulai dari sarjana keperawatan (lulus 2010) dan profesi ners (lulus 2011) di Universitas Muhammadiyah Jember. Magister Kedokteran Tropis (lulus 2015) di Universitas Airlangga. Peminatan dan keahliannya adalah dibidang Keperawatan Medikal Bedah khususnya keperawatan HIV/AIDS. Saat ini mengampu beberapa mata kuliah terkait dengan keperawatan dasar, keperawatan HIV/AIDS, keperawatan medikal bedah untuk mahasiswa DIII maupun S1 Keperawatan di UNUSA. Buku yang pernah ditulis adalah sistem integumen, keperawatan gawat darurat, SPA Kaki Diabetik sebagai solusi mencegah Amputasi, Keperawatan HIV/AIDS, Ilmu Dasar Keperawatan 1 dan Ilmu Dasar Keperawatan 2.

BIODATA PENULIS



Riezky Faisal Nugroho lahir di Kabupaten Bondowoso tanggal 05 Mei 1992. Jenjang pendidikan dasar ia tempuh di SDN Kotakulon 1 Bondowoso (tahun 1999 – 2005) dan di SMPN 1 Bondowoso (tahun 2005 – 2008). Adapun jenjang Pendidikan menengahnya di SMAN 1 Bondowoso (tahun 2008-2011). Kemudian, ia mendapatkan program “Beasiswa Unggulan” dari Kementerian Pendidikan dan Kebudayaan” untuk kuliah di Politeknik Negeri Jember (tahun 2011-2015) mengambil program studi D-IV Gizi Klinik. Di tengah upaya mengembangkan ilmu di bidang gizi klinik, penulis mendapat kesempatan menempuh kuliah Strata Dua (S2) di Universitas Sebelas Maret Surakarta (Agustus tahun 2016 – 10 Desember 2018) dengan mengambil program studi Ilmu Gizi dengan peminatan *Clinical Nutrition* dan lulus berpredikat “Dengan Pujian (*Cumlaude*)”. Saat ini, penulis aktif sebagai peneliti dan *freelance writer*, Salah satu karya yang pernah diterbitkan berjudul “*The Relationship of Fruit and Vegetable Consumption Habit, Physical Activities with Body Mass Index (BMI) of Adolescent Girls in Surakarta*” pada buku ber-ISBN berjudul “*The 13th SEA Regional Scientific Meeting Of The International Epidemiological Association And International Conference On Public Health And Sustainable Development*” (Bali: Tahun 2018), jurnal nasional sinta 2 dengan artikel berjudul “*Psychosocial Stress, Energy And Calcium Intake Are Associated With Nutritional Status Of The Female Adolescents*” (Jurnal Keperawatan Soedirman, 2018).

BUKU AJAR VAKSIN LANGKAH PREVENTIF CEGAH COVID-19



Penerbit:
UNUSA PRESS
Gedung LPPM UNUSA
Jl. Jemursari No, 51-57
Surabaya 60237



ISBN 978-623-6446-04-1



9 786236 446041