

## DAFTAR PUSTAKA

- Ain, N., Hariyanto, D., Rusdan, S., 2015. Karakteristik Penderita Penyakit Jantung Bawaan pada Anak di RSUP Dr. M. Djamil Padang Periode Januari 2010 – Mei 2012. *Jurnal Kesehatan Andalas* 4. <https://doi.org/10.25077/jka.v4i3.388>
- Anis, H.K., Miller, E.M., George, J., Shrestha, N.K., Klika, A.K., Kamath, A.F., Babic, M. and Higuera, C.A., 2020. Incidence and characteristics of osteoarticular infections in patients with infective endocarditis. *Orthopedics*, 43(1), pp.24-29.
- Armiñanzas, C., Fariñas-Alvarez, C., Zarauza, J., Muñoz, P., et al. , 2019. Role of age and comorbidities in mortality of patients with infective endocarditis. *European Journal of Internal Medicine* 64, 63–71. <https://doi.org/10.1016/j.ejim.2019.03.006>
- Arrohmanisyah, D., Satria, M.M., Catur, P., 2020. TERAPI PEMBEDAHAN PADA ENDOKARDITIS KATUP AORTA. *JIMKI: Jurnal Ilmiah Mahasiswa Kedokteran Indonesia* 7, 90–104. <https://doi.org/10.53366/jimki.v7i2.69>
- Ashraf, H. and Decossard, P., 2020. Right-sided infective endocarditis. *Visual journal of emergency medicine*, 20, p.100799.\
- Babeş, E.E., Lucuța, D.A., Petchesi, C.D., Zaha, A.A., Ilyes, C., Jurca, A.D., Vesa, C.M., Zaha, D.C. and Babeş, V.V., 2021. Clinical features and outcome of infective endocarditis in a university hospital in Romania. *Medicina*, 57(2), p.158.
- Bhandari, R., Tiwari, S., Alexander, T., Annie, F.H., Kaleem, U., Irfan, A., Balla, S., Wiener, R.C., Cook, C., Nanjundappa, A., Bates, M., Thompson, E., Smith, G.S., Feinberg, J., Fisher, M.A., 2022. Sex Differences in Characteristics of Patients with Infective Endocarditis: A Multicenter Study. *Journal of Clinical Medicine* 11, 3514. <https://doi.org/10.3390/jcm11123514>
- Bjurman, C., Snygg-martin, U., Olaison, L., Fu, M.L.X., Hammarsten, O., 2012. Cystatin C in a composite risk score for mortality in patients with infective endocarditis : a cohort study 1–6. <https://doi.org/10.1136/bmjopen-2012-000856>

S.T., Westaby, J.D., Griffin, K.J. and Sheppard, M.N., 2021. The role of endocarditis in sudden cardiac death: highlighting the value of the autopsy, pathological features and cardiac complications. *Cardiovascular Pathology*, p.107292.



- Cuervo, G., Escrihuela-Vidal, F., Gudiol, C., Carratalà, J., 2021. Current Challenges in the Management of Infective Endocarditis. *Frontiers in Medicine* 8. <https://doi.org/10.3389/fmed.2021.641243>
- Dähler, R., Brugger, S.D., Frank, M., Greutmann, M., Sromicki, J., Marques-Maggio, E., Imkamp, F., Bauernschmitt, R., Carrel, T., Zinkernagel, A.S., Hasse, B., 2022. A retrospective analysis of blood culture-negative endocarditis at a tertiary care centre in Switzerland. *Swiss Medical Weekly* 152, 40016. <https://doi.org/10.57187/smw.2022.40016>
- Delgado, B.J., Lopez-Ojeda, W., 2023. Estrogen [WWW Document]. NCBI Bookshelf. URL <https://www.ncbi.nlm.nih.gov/books/NBK538260/> (accessed 2.25.24).
- Elamragy, A.A., Meshaal, M.S., El-Kholy, A.A., Rizk, H.H., 2020. Gender differences in clinical features and complications of infective endocarditis: 11-year experience of a single institute in Egypt. *The Egyptian Heart Journal* 72. <https://doi.org/10.1186/s43044-020-0039-6>
- Ghfuron, M., Airlangga, M., 2019. Antibiotik Profilaksis pada Penyakit Jantung Musa Ghufuron, Muhammad Perdana Airlangga Fakultas Kedokteran Universitas Muhammadiyah Surabaya Surabaya. *Antibiot. Profilaksis Pada Penyakit Jantung* 6, 38–50.
- Guzek, A., Braksator, W., Gaşior, Z., Kuśmierczyk, M., Różański, J., Rybicki, Z., 2020. Infective endocarditis – can we treat it more effectively? *Polish Journal of Cardio-Thoracic Surgery* 17, 8–14. <https://doi.org/10.5114/kitp.2020.94184>
- Harky, A., Zaim, S., Mallya, A. and George, J.J., 2020. Optimizing outcomes in infective endocarditis: a comprehensive literature review. *Journal of Cardiac Surgery*, 35(7), pp.1600-1608.
- Hashmi, M.F., Modi, P., Basit, H., Sharma, S., 2023. Dyspnea [WWW Document]. NCBI Bookshelf. URL <https://www.ncbi.nlm.nih.gov/books/NBK499965/> (accessed 2.25.24).
- Holland, T.L., Baddour, L.M., S.Bayer, A., Hoen, B., M.Miro, J., Vance G. Fowler, J., 2016. Endokarditis infektif [WWW Document]. [www.ncbi.com](http://www.ncbi.com). URL <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5240923/> (accessed 6.21.23).
- Hubers, S.A., DeSimone, D.C., Gersh, B.J. and Anavekar, N.S., 2020, May. infective endocarditis: a contemporary review. In *Mayo Clinic Proceedings* (Vol. 95, No. 5, pp. 982-997). Elsevier.

A.M., Momin S. Siddique, 2022. Subacute Bacterial Endocarditis prophylaxis [WWW Document]. [www.ncbi.com](http://www.ncbi.com). URL <https://www-ncbi->



nlm-

nihgov.translate.google/books/NBK430685/?\_x\_tr\_sl=en&\_x\_tr\_tl=id&\_x\_tr\_hl=id&\_x\_tr\_pto=tc (accessed 6.21.23).

Iversen, K., Ihlemann, N., Gill, S.U., Madsen, T., Elming, H., Jensen, K.T., 2019. Partial Oral versus Intravenous Antibiotic Treatment of Endocarditis. *The New England Journal of Medicine* 380, 415–424.

Kamde, S.P., Anjankar, A., 2022. Pathogenesis, Diagnosis, Antimicrobial Therapy, and Management of Infective Endocarditis, and Its Complications. *Cureus* 14, e29182. <https://doi.org/10.7759/cureus.29182>

Mettler, S.K., Alhariri, H., Okoli, U., Charoenngam, N., Guillen, R.H., Jaroenlapnopparat, A., Philips, B.B., Behlau, I. and Colgrove, R.C., 2023. Gender, age, and regional disparities in the incidence and mortality trends of infective endocarditis in the United States between 1990 and 2019. *The American Journal of Cardiology*, 203, pp.128-135.

Martínez-Sellés M. Perfil clínico, tratamiento antibiótico y riesgo de ictus en pacientes con endocarditis infecciosa; 2022, <http://dx.doi.org/10.1016/j.nrl.2022.06.010>.

Peng, X., Cheng, L., You, Y., Tang, C., Ren, B., Li, Y., Xu, X., Zhou, X., 2022. Oral microbiota in human systematic diseases. *International Journal of Oral Science* 14. <https://doi.org/10.1038/s41368-022-00163-7>

Perez-Rivera, J.-A., Armiñanzas, C., Muñoz, P., Kestler, M., Pinilla, B., Fariñas, M.-C., Alvarez-Rodriguez, I., Cuervo, G., Rodriguez-Esteban, A., de Alarcón, A., Gutiérrez-Villanueva, A., Pello-Lazaro, A., Martínez Sellés, M., 2022. Comorbidity and Prognosis in Octogenarians with Infective Endocarditis. *Journal of Clinical Medicine* 11, 3774. <https://doi.org/10.3390/jcm11133774>

Pericás, J., Zboromyrska, Y., Cervera, C., Castañeda, X., Almela, M., Garcia-de-la-Maria, C., Mestres, C., Falces, C., Quintana, E., Ninot, S., Llopis, J., Marco, F., Moreno, A., Miró, J., 2015. Enterococcal endocarditis revisited. *Future Microbiology* 10, 1215–1240. <https://doi.org/10.2217/fmb.15.46>

Pericàs, J.M., Hernández-Meneses, M., Muñoz, P., Álvarez-Uría, A., Pinilla-Llorente, B., De Alarcón, A., Reviejo, K., Fariñas, M.C., Falces, C., Goikoetxea-Agirre, J. and Gálvez-Acebal, J., 2021, June. Outcomes and risk factors of septic shock in patients with infective endocarditis: a prospective cohort study. In *Open Forum Infectious Diseases* (Vol. 8, No. 6, p. ofab119). US: Oxford University Press.

2016. PANDUAN PRAKTIK KLINIS (PPK) DAN CLINICAL PATHWAY (CP) PENYAKIT JANTUNG DAN PEMBULUH DARAH.

ari, P.D., 2020. Infektif Endokarditis Pada Penyakit Jantung Tiroid. *J. sehat. Andalas* 9, 113. <https://doi.org/10.25077/jka.v9i1.1265>



- Puspita, D., Krevani, C.K., 2019. LAPORAN KASUS : INFEKSI GIGI SEBAGAI PENYEBAB BAKTEREMIA PADA ENDOKARDITIS INFEKTIF. B-Dent: Jurnal Kedokteran Gigi Universitas Baiturrahmah 6, 142–151. <https://doi.org/10.33854/jbd.v6i2.303>
- Rasmussen, T.B., Zwisler, A., Sibilitz, K.L., Risom, S.S., Bundgaard, H., Gluud, C., Moons, P., Winkel, P., Thygesen, L.C., Hansen, J.L., Norekvål, T.M., Berg, S.K., Group, I.E., 2012. A randomised clinical trial of comprehensive cardiac rehabilitation versus usual care for patients treated for infective endocarditis — the CopenHeart IE trial protocol. <https://doi.org/10.1136/bmjopen-2012-001929>
- Santoso, A.H., Suciadi, L.P., Susatia, F., 2019. Acute Embolic Stroke as the Sole Presentation of Infective Endocarditis in Mitral Valve Prolapse. Cermin Dunia Kedokteran 46, 679–680.
- Sebastian, S.A., Co, E.L., Mehendale, M., Sudan, S., Manchanda, K. and Khan, S., 2022. Challenges and Updates in the Diagnosis and Treatment of Infective Endocarditis. Current Problems in Cardiology, 47(9), p.101267.
- Setiawan, M., 2015. Komplikasi Neurologis Endokarditis Infektif 42, 350–355.
- Sordelli, C., Fele, N., Mocerino, R., Weisz, S.H., Ascione, L., Caso, P., Carrozza, A., Tascini, C., De Vivo, S., Severino, S., 2019. Infective Endocarditis: Echocardiographic Imaging and New Imaging Modalities. Journal of cardiovascular echography 29, 149–155. [https://doi.org/10.4103/jcecho.jcecho\\_53\\_19](https://doi.org/10.4103/jcecho.jcecho_53_19)
- Sousa, C., Nogueira, P.J., Pinto, F.J., 2021. Gender Based Analysis of a Population Series of Patients Hospitalized with Infective Endocarditis in Portugal – How do Women and Men Compare? International Journal of Cardiovascular Sciences 3, 347–355. <https://doi.org/10.36660/ijcs.20210032>
- Tackling, G., Lala, V., 2023. Endocarditis Antibiotic Regimens [WWW Document]. NCBI Bookshelf. URL <https://www.ncbi.nlm.nih.gov/books/NBK542162/>
- Task, A., Members, F., Arbelo, E., Gimeno, J.R., Arbustini, E., Basso, C., Bezzina, C.R., Barriales-villa, R., Biagini, E., Boer, R.A. De, Elliott, P.M., Kingdom, U., Flather, M., Haugaa, K.H., Ingles, J., Klaassen, S., Loeys, B., Mogensen, J., Olivotto, I., Pantazis, A., Kingdom, U., Kaski, J.P., Ware, J.S., Moon, J., Kingdom, U., Cosedis, J., Denmark, N., Petersen, S., Kingdom, U., Prescott, E., 2023. 2023 ESC Guidelines for the management of cardiomyopathies Developed by the task force on the management of cardiomyopathies of the European Society of Cardiology ( ESC ) ( United Kingdom ), Pablo Garcia-avia 1–124.



- Thuny, F., Gaubert, J., Jacquier, A., Tessonier, L., Cammilleri, S., Raoult, D., Habib, G., 2013. Imaging investigations in infective endocarditis : Arch. Cardiovasc. Dis. 106, 52–62. <https://doi.org/10.1016/j.acvd.2012.09.004>
- Vaideeswar, P., Butany, J., 2016. Bab 12 - Penyakit Katup Jantung. <https://doi.org/10.1016/B978-0-12-420219-1.00012-4>
- Vicent, L., Goenaga, M.A., Muñoz, P., Marín-Arriaza, M., Valerio, M., Fariñas, M.C., Cobo-Belaustegui, M., de Alarcon, A., Rodríguez-Esteban, M.Á., Miró, J.M. and Goikoetxea-Agirre, A.J., 2022. Infective endocarditis in children and adolescents: a different profile with clinical implications. *Pediatric Research*, 92(5), pp.1400-1406.
- Willim, H.A., 2020. Endokarditis Infektif: 47, 407–412. Ahtela, E., Oksi, J., Vahlberg, T., Sipilä, J., Rautava, P., Kytö, V., 2021. Short- and long-term outcomes of infective endocarditis admission in adults: A population-based registry study in Finland. *PLOS ONE* 16. <https://doi.org/10.1371/journal.pone.0254553>
- Willim, H.A., 2020. Endokarditis Infektif: Diagnosis, Tatalaksana dan Pencegahan. *Cermin Dunia Kedokteran* 47, 407. <https://doi.org/10.55175/cdk.v47i8.771>
- Wu, Z., Chen, Y., Xiao, T., Niu, T., Shi, Q., Xiao, Y., 2020. Epidemiology and risk factors of infective endocarditis in a tertiary hospital in China from 2007 to 2016. *BMC Infectious Diseases* 20, 1–10. <https://doi.org/10.1186/s12879-020-05153-w>
- Yallowitz, A.W., Decker, L.C., 2023. Infectious endocarditis [WWW Document]. NCBI Bookshelf. URL <https://www.ncbi.nlm.nih.gov/books/NBK557641/>



## Lampiran 1. Curriculum Vitae



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 Riwayat Pendidikan :

NO	STRATA	INSTITUSI	TEMPAT	TAHUN LULUS
1.	SD	SD Inpres SP 1 Kelapa 2	Distrik Sumuri, Kab. Teluk Bintuni	2008-2014
2.	SMP	SMP Perintis Kelapa 2	Distrik Sumuri, Kab. Teluk Bintuni	2014-2017
3.	SMA	SMA Negeri 1 Manokwari	Manokwari, Papua Barat	2017-2020



**Lampiran 2. Surat Izin dari Instansi Kepada Komisi Etik Penelitian  
Fakultas Kedokteran Universitas Hasanuddin**

	<p>KEMENTERIAN PENDIDIKAN KEBUDAYAAN, RISET DAN TEKNOLOGI UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN JL. PERINTIS KEMERDEKAAN KM. 10, MAKASSAR 90245 TELEPON (0411) 586200, (6 SALURAN), 584200, FAX (0411) 585188 Laman: <a href="http://www.unhas.ac.id">www.unhas.ac.id</a></p>
	<p>29 November 2023</p>
<p>Nomor : 33298/UN4.6.8/PT.01.04/2023 Hal : Permohonan Izin Penelitian</p>	
<p>Yth. Direktur RSUP Dr. Wahidin Sudirohusodo</p>	
<p>Dengan hormat, disampaikan bahwa mahasiswa Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Hasanuddin di bawah ini :</p>	
<p>N a m a : Azizah Adisti Putri N i m : C011201227</p>	
<p>bermaksud melakukan penelitian di RSUP Dr. Wahidin Sudirohusodo dengan judul penelitian "Karakteristik dan Penggunaan Antibiotik pada Pasien Infeksi Endokarditis di RSUP. Dr. Wahidin Sudirohusodo Periode 2018-2022"</p>	
<p>Sehubungan hal tersebut kiranya yang bersangkutan dapat diberi izin untuk melakukan Penelitian dalam rangka penyelesaian studinya.</p>	
<p>Demikian permohonan kami, atas bantuan dan kerjasamanya disampaikan terima kasih.</p>	
<p>Ketua Program Studi S1 Pendidikan Dokter Fakultas Kedokteran</p>	
	
<p>dr. Ririn Nislawati, M.Kes.,Sp.M NIP 198101182009122003</p>	



### Lampiran 3. Rekomendasi Persetujuan Etik oleh Komisi Etik

#### Penelitian Kesehatan Fakultas Kedokteran Universitas Hasanuddin

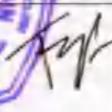


#### **REKOMENDASI PERSETUJUAN ETIK**

Nomor : 930/UN4.6.4.5.31/ PP36/ 2023

Tanggal: 6 Desember 2023

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH23120890	No Sponsor	
Peneliti Utama	<b>Azizah Adisti Putri</b>	Sponsor	
Judul Peneliti	KARAKTERISTIK DAN PENGGUNAAN ANTIBIOTIK PADA PASIEN INFEKSI ENDOKARDITIS DI RSUP. Dr. WAHIDIN SUDIROHUSODO PERIODE 2018-2022		
No Versi Protokol	<b>1</b>	Tanggal Versi	<b>5 Desember 2023</b>
No Versi PSP		Tanggal Versi	
Tempat Penelitian	RS Wahidin Sudirohusodo Makassar		
Jenis Review	<input checked="" type="checkbox"/> Exempted <input type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku <b>6 Desember 2023</b> sampai <b>6 Desember 2024</b>	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Nama <b>Prof. dr. Muh Nasrum Massi, PhD, SpMK, Subsp. Bakt(K)</b>	Tanda tangan 	
Sekretaris KEP Universitas Hasanuddin	Nama <b>dr. Firdaus Hamid, PhD, SpMK(K)</b>	Tanda tangan 	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Laporan SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari prokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

