

DAFTAR PUSTAKA

- De Luca, L., Olivari, Z., Farina, A., Gonzini, L., Lucci, D., Di Chiara, A., Casella, G., Chiarella, F., Boccanelli, A., Di Pasquale, G., De Servi, S., Bovenzi, F.M., Gulizia, M.M., Savonitto, S., 2015. Temporal trends in the epidemiology, management, and outcome of patients with cardiogenic shock complicating acute coronary syndromes. *Eur. J. Heart Fail.* 17, 1124–1132. <https://doi.org/10.1002/ejhf.339>
- Hwang, S.Y., Kim, I., Ko, B.S., Ryoo, S.M., Han, E., Lee, H.J., Jeong, D., Shin, T.G., Kim, K., 2024. External validation of a modified cardiovascular sequential organ failure assessment score in patients with suspected infection using the MIMIC-IV database. *PLoS One* 19. <https://doi.org/10.1371/journal.pone.0312185>
- Jentzer, J.C., Bhat, A.G., Patlolla, S.H., Sinha, S.S., Miller, P.E., Lawler, P.R., Van Diepen, S., Khanna, A.K., Zhao, D.X., Vallabhajosyula, S., 2022. Concomitant Sepsis Diagnoses in Acute Myocardial Infarction-Cardiogenic Shock: 15-Year National Temporal Trends, Management, and Outcomes. *Crit. Care Explor.* 4, E0637. <https://doi.org/10.1097/CCE.0000000000000637>
- Ko, B.S., Ryoo, S.M., Han, E., Chang, H., Yune, C.J., Lee, H.J., Suh, G.J., Choi, S.H., Chung, S.P., Lim, T.H., Kim, W.Y., Sohn, J.W., Jeong, M.A., Hwang, S.Y., Shin, T.G., Kim, K., 2023. Modified Cardiovascular Sequential Organ Failure Assessment Score in Sepsis: External Validation in Intensive Care Unit Patients. *J. Korean Med. Sci.* 38. <https://doi.org/10.3346/jkms.2023.38.e418>
- Lee, H.J., Ko, B.S., Ryoo, S.M., Han, E., Suh, G.J., Choi, S.H., Chung, S.P., Lim, T.H., Kim, W.Y., Kwon, W.Y., Hwang, S.Y., Jo, Y.H., Shin, J., Shin, T.G., Kim, K., Choi, S., Chung, T.N., Lee, J.H., Kim, K.S., Park, Y.S., Yoon, Y.H., Choi, H.S., Han, K.S., Kang, G.H., Kim, Y.J., Cho, H., 2022. Modified cardiovascular SOFA score in sepsis: development and internal and external validation. *BMC Med.* 20. <https://doi.org/10.1186/s12916-022-02461-7>
- Moreno, R., Rhodes, A., Piquilloud, L., Hernandez, G., Takala, J., Gershengorn, H.B., Tavares, M., Coopersmith, C.M., Myatra, S.N., Singer, M., Rezende, E., Prescott, H.C., Soares, M., Timsit, J.F., de Lange, D.W., Jung, C., De Waele, J.J., Martin, G.S., Summers, C., Azoulay, E., Fujii, T., McLean, A.S., Vincent, J.L., 2023. The Sequential Organ Failure Assessment (SOFA) Score: has the time come for an update? *Crit. Care* 27. <https://doi.org/10.1186/s13054-022-04290-9>
- Pölkki, A., Pekkarinen, P.T., Takala, J., Selander, T., Reinikainen, M., 2022. Association of Sequential Organ Failure Assessment (SOFA) components with mortality. *Acta Anaesthesiol. Scand.* 66, 731–741. <https://doi.org/10.1111/aas.14067>
- Rhodes, A., Evans, L.E., Alhazzani, W., Levy, M.M., Antonelli, M., Ferrer, R., Kumar, A., Sevransky, J.E., Sprung, C.L., Nunnally, M.E., Rochwerf, B., Rubenfeld, G.D., Angus, D.C., Annane, D., Beale, R.J., Bellingham, G.J., Bernard, G.R., Chiche, J.D., Coopersmith, C., De Backer, D.P., French, C.J., Fujishima, S., Gerlach, H., Hidalgo, J.L., Hollenberg, S.M., Jones, A.E., Karnad, D.R., Kleinpell, R.M., Koh, Y., Lisboa, T.C., Machado, F.R., Marini, J.J., Marshall, J.C., Mazuski, J.E., McIntyre, L.A., McLean, A.S., Mehta, S., Moreno, R.P., Myburgh, J., Navalesi, P., Nishida, O., Osborn, T.M., Perner, A., Plunkett, C.M., Ranieri, M., Schorr, C.A., Seckel, M.A., Seymour, C.W., Shieh, L., Shukri, K.A., Simpson, S.Q., Singer, M., Thompson, B.T., Townsend, S.R., Van der Poll, T., Vincent, J.L., Wiersinga, W.J., Zimmerman, J.L., Dellinger, R.P., 2017. Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016. *Intensive Care Med.* 43, 304–377. <https://doi.org/10.1007/s00134-017-4683-6>
- Sartelli, M., Kluger, Y., Ansaloni, L., Hardcastle, T.C., Rello, J., Watkins, R.R., Bassetti, M., Giamarellou, E., Coccolini, F., Abu-Zidan, F.M., Adesunkanmi, A.K., Augustin, G., Baiocchi, G.L., Bala, M., Baraket, O., Beltran, M.A., Jusoh, A.C., Demetrashvili, Z., De Simone, B., de Souza, H.P., Cui, Y., Davies, R.J., Dhingra, S., Diaz, J.J., Di Saverio, S., Dogjani, A., Elmangory, M.M., Enani, M.A., Ferrada, P., Fraga, G.P., Frattima, S., Ghnnam, W., Gomes, C.A., Kanj, S.S., Karamarkovic, A., Kenig, J., Khamis, F., Khokha, V., Koike, K., Kok, K.Y.Y., Isik, A., Labricciosa, F.M., Latifi, R., Lee, J.G., Litvin, A., Machain, G.M., Manzano-Nunez, R., Major, P., Marwah, S., McFarlane, M., Memish, Z.A., Mesina, C., Moore, E.E., Moore, F.A., Naidoo, N., Nego, I., Ofori-Asenso, R., Olaoye, I., Ordoñez, C.A., Ouadi, M., Paolillo, C., Picetti, E., Pintar, T., Ponce-de-Leon, A., Pupelis, G., Reis, T., Sakakushev, B., Kafil, H.S., Sato, N., Shah, J.N., Siribumrungwong, B., Talving, P., Tranà, C., Ulrych, J., Yuan, K.C., Catena, F., 2018. Raising concerns about the Sepsis-3 definitions. *World Journal of Emergency Surgery.* <https://doi.org/10.1186/s13017-018-0165-6>
- Vahdatpour, C., Collins, D., Goldberg, S., 2019. Cardiogenic Shock. *J. Am. Heart Assoc.* <https://doi.org/10.1161/JAHA.119.011991>
- Van Diepen, S., Katz, J.N., Albert, N.M., Henry, T.D., Jacobs, A.K., Kapur, N.K., Kilic, A., Menon, V., Ohman, E.M., Sweitzer, N.K., Thiele, H., Washam, J.B., Cohen, M.G., 2017. Contemporary

Management of Cardiogenic Shock: A Scientific Statement from the American Heart Association. *Circulation*. <https://doi.org/10.1161/CIR.0000000000000525>

Yadav, H., Harrison, A.M., Hanson, A.C., Gajic, O., Kor, D.J., Cartin-Ceba, R., 2015. Improving the accuracy of cardiovascular component of the sequential organ failure assessment score. *Crit. Care Med.* 43, 1449–1457. <https://doi.org/10.1097/CCM.0000000000000929>



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
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REKOMENDASI PERSETUJUAN ETIK

Nomor : 580/UN4.6.4.5.31/ PP36/ 2025

Tanggal: 13 Agustus 2025

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

No Protokol	UH25060394	No Sponsor	
Peneliti Utama	dr. A Novita Dewi Aryanti Syafni	Sponsor	
Judul Peneliti	Efek Jangka Panjang Pemacuan Cabang Berkas Kiri Menggunakan Kabel Pacu Kawat Pandu terhadap Fungsi Diastolik Ventrikel Kiri		
No Versi Protokol	2	Tanggal Versi	12 Agustus 2025
No Versi PSP	2	Tanggal Versi	12 Agustus 2025
Tempat Penelitian	RSUP Wahidin Sudirohusodo Makassar		
Jenis Review	☐ Exempted ☒ Expedited ☐ Fullboard Tanggal	Masa Berlaku 13 Agustus 2025 sampai 13 Agustus 2026	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Prof. dr. Muh Nasrum Massi, PhD, SpMK, Subsp. Bakt(K)	 	
Sekretaris KEP Universitas Hasanuddin	dr. Firdaus Hamid, PhD, SpMK(K)	 	

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 Lapor 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

DAFTAR RIWAYAT HIDUP

Curriculum Vitae

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Pekerjaan Orang Tua / *Parent's Job* :

Pekerjaan Ayah / *Father Job* : Pensiunan PNS

Nama Suami : dr. Muhammad Akarihwan A. Galigo

Pekerjaan Suami : Dokter

Riwayat Pendidikan

Educational and Professional Qualification

Jenjang Pendidikan

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2000 - 2006	SD Inpres Malengkeri Bertingkat Makassar
2006 – 2009	SMPN 3 Makassar
2009 - 2012	MAN 2 Model Makassar
2012 - 2016	Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Muslim Indonesia
2016 - 2018	Program Studi Profesi Dokter Fakultas Kedokteran Universitas Muslim Indonesia
2022 - 2026	PPDS-1 Ilmu Penyakit Jantung dan Pembuluh Darah Fakultas Kedokteran Universitas Hasanuddin

Demikian riwayat hidup ini saya buat dengan sebenar-benarnya.

Makassar, 8 februari 2026



dr. Nurul Ummah