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TUGAS EBM!

Judul Penelitian:

Pengaruh Penggunaan Obat Antihipertensi Terhadap Tekanan Darah dan Proteinuria pada Pasien Preeklampsia Berat di RSUP Dr. M. Djamil

Rachmaini, F., Juwita, D.A., Abdillah, R. & Rifqi, M.A., 2022. Pengaruh Penggunaan Obat Antihipertensi Terhadap Tekanan Darah dan Proteinuria pada Pasien Preeklampsia Berat di RSUP Dr. M. Djamil. *Jurnal Sains Farmasi & Klinis*, 9(Supl.), pp.175–183. <https://doi.org/10.25077/jsfk.9.sup.175-183.2022>

Pembahasan:

Critical appraisal dilakukan menggunakan protokol dari Mixed Methods Appraisal Tool (MMAT) versi 2018, untuk jenis penelitian Quantitative non-randomized studies.

Penelitian ini menggunakan desain cross-sectional retrospektif dengan kualitas metodologis yang baik berdasarkan penilaian MMAT 2018. Pertanyaan penelitian jelas, data memadai, dan pengukuran tekanan darah serta proteinuria sesuai dengan standar klinis. Strategi sampling purposive dinilai tepat dan sampel representatif terhadap populasi target. Analisis statistik menggunakan uji Spearman Rank sesuai untuk data nonparametrik.

Namun, informasi mengenai kemungkinan bias akibat data tidak lengkap tidak dijelaskan, sehingga aspek nonresponse bias tidak dapat dinilai pasti. Meskipun demikian, secara keseluruhan, penelitian ini layak dan valid dalam menjawab pertanyaan penelitian.

Kesimpulan:

Jurnal ini layak menjadi acuan, meskipun terdapat keterbatasan kecil terkait potensi bias nonresponse yang tidak dijelaskan secara rinci, hal ini tidak mengurangi validitas utama temuan

Mixed Methods Appraisal Tool (MMAT), version 2018

Category of study designs	Methodological quality criteria	Responses			
		Yes	No	Can't tell	Comments
Screening questions (for all types)	S1. Are there clear research questions?	Yes			Tujuan penelitian dinyatakan dengan jelas: mengetahui pengaruh antihipertensi terhadap tekanan darah dan proteinuria pada pasien preeklampsia berat.
	S2. Do the collected data allow to address the research questions?	Yes			Data rekam medis (tekanan darah, proteinuria, terapi obat) mencukupi untuk menjawab pertanyaan.
	<i>Further appraisal may not be feasible or appropriate when the answer is 'No' or 'Can't tell' to one or both screening questions.</i>				
1. Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?				
	1.2. Are the qualitative data collection methods adequate to address the research question?				
	1.3. Are the findings adequately derived from the data?				
	1.4. Is the interpretation of results sufficiently substantiated by data?				
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?				
2. Quantitative randomized controlled trials	2.1. Is randomization appropriately performed?				
	2.2. Are the groups comparable at baseline?				
	2.3. Are there complete outcome data?				
	2.4. Are outcome assessors blinded to the intervention provided?				
	2.5 Did the participants adhere to the assigned intervention?				
3. Quantitative non-random ized	3.1. Are the participants representative of the target population?				
	3.2. Are measurements appropriate regarding both the outcome and intervention (or exposure)?				
	3.3. Are there complete outcome data?				
	3.4. Are the confounders accounted for in the design and analysis?				
	3.5. During the study period, is the intervention administered (or exposure occurred) as intended?				

4. Quantitative descriptive	4.1. Is the sampling strategy relevant to address the research question?	Yes			Menggunakan purposive sampling dengan kriteria inklusi yang sesuai.
	4.2. Is the sample representative of the target population?	Yes			Sampel berasal dari pasien preeklampsia berat di rumah sakit rujukan utama (RSUP Dr. M. Djamil), mewakili populasi target.
	4.3. Are the measurements appropriate?	Yes			Pengukuran tekanan darah dan proteinuria sesuai dengan standar klinis untuk preeklampsia.
	4.4. Is the risk of nonresponse bias low?			Can't tell	Tidak dijelaskan proporsi pasien yang dieksklusi karena data tidak lengkap. Risiko bias nonresponse tidak dikaji eksplisit.
	4.5. Is the statistical analysis appropriate to answer the research question?	Yes			Digunakan analisis deskriptif dan uji korelasi Spearman, sesuai untuk data nonparametrik dan tujuan deskriptif.
5. Mixed methods	5.1. Is there an adequate rationale for using a mixed methods design to address the research question?				
	5.2. Are the different components of the study effectively integrated to answer the research question?				
	5.3. Are the outputs of the integration of qualitative and quantitative components adequately interpreted?				

	5.4. Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?				
	5.5. Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?				