

Cover letter

April 16th 2024

To.

Editor in Chief

International Journal of Integrated Health and Sciences

Dear Sir,

Please find the submission of our manuscript,

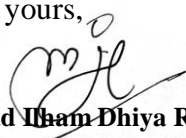
“Association Between Leukocyte Differential Count and Length of Stay in Hospitalized COVID-19 Patients: Secondary Analysis of Cohort Studies in Jakarta” which we would like to submit for publication in the International Journal of Integrated Health Sciences.

The rapid spread of COVID-19 has resulted in a substantial increase in the number of hospitalized patients worldwide, placing significant strain on healthcare systems. Understanding the factors influencing prolonged hospital stays is crucial for optimizing patient care and resource allocation. In this study, our objective was to investigate the correlation between infection-related laboratory parameters and length of hospital stay (LoS) among COVID-19 patients admitted to Persahabatan Hospital. Our study comprised 463 hospitalized COVID-19 patients who received standard therapy at our institution. We documented baseline leukocyte differential counts prior to treatment initiation and categorized LoS as either ≤ 10 days or > 10 days. Our findings revealed a notable association between leukocyte counts and LoS, particularly concerning lymphocytes, neutrophils, monocytes, and the neutrophil-lymphocyte ratio. However, upon conducting multivariate analysis, we did not observe significant associations between these parameters and LoS. While our study provides valuable insights into the predictive role of hematological parameters in determining LoS among COVID-19 patients, we acknowledge several limitations, including incomplete data on certain variables. Nevertheless, we believe that our findings hold important implications for informing clinical practice and guiding resource allocation amidst the ongoing COVID-19 pandemic. We believe our article is in line with International Journal of Integrated Health Sciences thematic focus, promising reader engagement and contributing to advancements in COVID-19 and infectious disease knowledge.

Author and all co-authors have seen and agreed with the contents of the manuscript and there is no financial interest to report. We certify that the manuscript submitted is an original work and is not under review at any other publication. The abstract of this manuscript has been presented as a poster at the 9th Asia Pacific Region Conference of the International Union Against Tuberculosis and Lung Disease in Taiwan in April 2024. We thank you for considering our manuscript for publication in the International Journal of Integrated Health Science and look forward to hearing from you at your earliest convenience.

Sincerely yours,

Signature



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Conflict of Interest Declaration

Here by the authors certifies that the manuscript entitled:

“Association Between Leukocyte Differential Count and Length of Stay in Hospitalized COVID-19 Patients: Secondary Analysis of Cohort Studies in Jakarta”

Is an original work and is not under review at any other publication. Author and all co-authors have seen and agreed with the contents of the manuscript and there is no financial interest to report. This manuscript is ready for publication in the International Journal of Integrated Health Sciences.

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Title of manuscript: “Association Between Leukocyte Differential Count and Length of Stay in Hospitalized COVID-19 Patients: Secondary Analysis of Cohort Studies in Jakarta”

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Manuscript No: N/A

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