

Interactive comment on “Zonal Current Characteristics in the Southeastern Tropical Indian Ocean (SETIO)” by Nining Sari Ningsih et al.

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This study investigates the variability of zonal current within the region that involves multiple currents system, i.e., the South Java Current, the Indonesian Throughflow, the South Equatorial Current, and the coastal upwelling. Due to interactions among these currents, the variability in this region is very complex. Using EOF and EEMD, the authors tried to discuss the intraseasonal, seasonal, and interannual variations of the zonal currents in the southeastern tropical Indian Ocean. Although the results and text are generally easy to follow, the analysis of the paper, however, is mainly based on

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correlation analysis, the dynamical explanation is too weak. Moreover, this paper does not give an improved view of the currents variations in the southeastern tropical Indian Ocean. Thereby, I could not recommend the present manuscript being accepted.

Thank you for your time and effort in reviewing our paper, and for providing the valuable comments and corrections, which helped make our manuscript stronger and better. In this case, we have revised the manuscript based on suggestions/comments of the Anonymous Referee #1 and hope that the revision adequately addressed the Reviewer's concerns, so that the revised manuscript will be suitable for publication.

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