

## 1. Introduction

The publication of research articles has become significant in the world of professional academics, particularly in the university-oriented field. Students and practitioners across different fields of academic disciplines are encouraged to publish their findings, either as contributors to new knowledge or as enhancements to existing discoveries (Kanoksilapatham, 2015; Yoon & Casal, 2020). They are encouraged to create their publication, especially if they achieve high-impact status, which is determined by metrics such as citation (Bornmann & Marx, 2013). The number of citations used is crucial as it is used to guarantee the validity and assess the impact of scientific work or publication. Thus, publication and citation metrics are valuable for evaluating the productivity of scientists, research groups, and institutes, as they contribute to the generation of new knowledge and recognition for their discoveries. (Bornmann & Daniel, 2008; Bornmann & Marx, 2013; Greene, 2007).

Internationally indexed journals are regarded as a benchmark for research quality, implying that internationally indexed journals have higher credibility than locally indexed journals and gain greater visibility among readers (Chadegani et al., 2013; Kurniawan et al., 2019). Moreover, international journals with high-impact factors in reputable indexes, such as Scopus, are perceived as prestigious. Publishing through Scopus is commonly used as a proxy for the quality of the publication itself and for having a more significant impact on the publication. In addition, the author may enhance their reputation, which could elevate their career advancement and improve the quality of university accreditations (Couch, 2020; Kanoksilapatham, 2012; Shi & Wannaruk, 2014). The publication is also significant for researchers in engineering, as evidenced by the fact that engineering is one of the top three fields with the highest number of publications, according to the Scopus Database 2022 (Espina-Romero & Guerrero-Alcedo, 2022).

As a result, writing abilities are one of the factors that must be considered essential when it comes to publication. Writing abilities are needed, especially when writing in English. English is the primary language required for research and publication, and the data show that over 80% of international journal publications are written in English (Hamel, 2007). However, writing Research Articles (RAs) that are sufficient in quality to be presented for publication depends not only on the language used but also on the rhetorical structure and various aspects (Amnuai & Wannaruk, 2013).