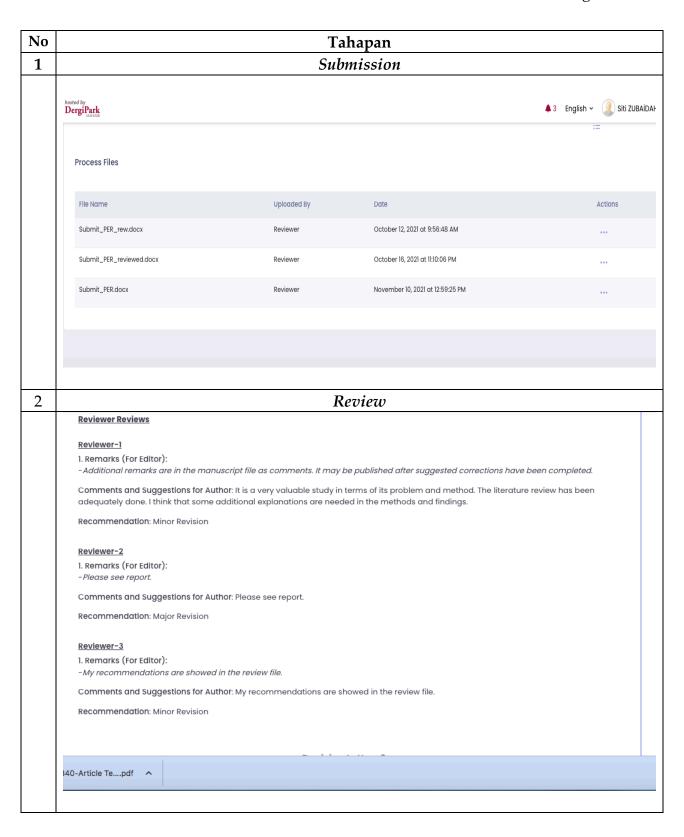
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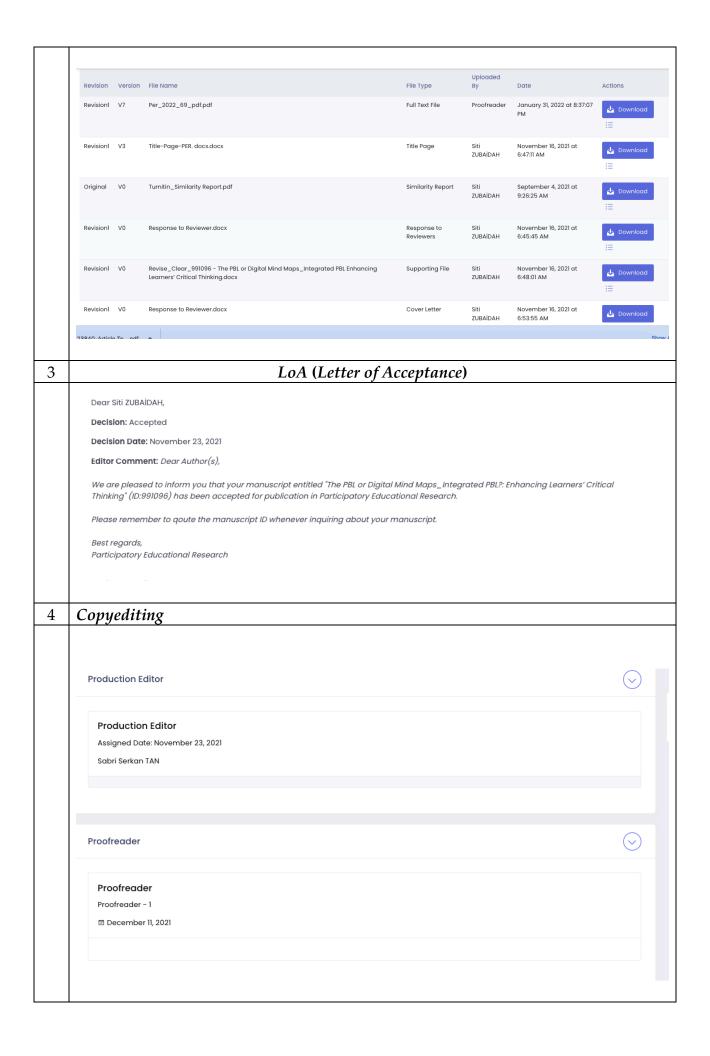
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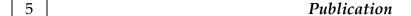
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The PBL vs. Digital Mind Maps Integrated PBL: Choosing Between the two with a view to Enhance Learners' Critical Thinking

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| Article history | Critical thinking plays a crucial role in the learning process. Critical |
| Received: | thinking should become the focus of learning since it encourages the |
| 07.09.2021 | development of knowledge and includes the act of contemplating |
| Received in revised form: | subjects, content, and problems. The current study aimed to investigate |
| 16.11.2021 | the effectiveness of Problem-Based Learning (PBL) and Digital Mind |
| | Maps-Integrated PBL (DMM-Integrated PBL) in improving students' |
| Accepted: 23.11.2021 | critical thinking. This quasi-experiment study employed a pretest-posttest |
| 23.11.2021 | control group design, involving 103 university students from the Biology |
| Kev words: | Department of University in Riau, Indonesia, as the sample. The details |
| Critical thinking, | of each group consist of 31 students in conventional, PBL (37 students), |
| Digital mind mans | and DMM-Integrated PRL (35 students) classes. The research data was |