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PROJECT-BASED LEARNING IN ENGLISH LANGUAGE TEACHING: DOES IT PROMOTE STUDENTS' HIGHER-ORDER THINKING SKILLS?

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ABSTRACT

This study explores teachers' perceptions of Project-Based Learning in English language teaching to promote Higher-Order Thinking Skills. Using a qualitative case study design, the research involved three junior high school teachers in Bogor Regency, selected through purposive sampling. Data was collected via open-ended questionnaires and semi-structured interviews. Findings showed that teachers viewed project-based learning as a studentcentered approach emphasizing real-world relevance, collaboration, product creation, and contextual learning. Implementation included planning, scaffolding, group work, facilitation, and feedback. Teachers reported that project-based learning fostered higher-order thinking skills by encouraging critical analysis, creativity, and reflection, although challenges such as time constraints and diverse student abilities remained. The study underscores the need for teacher readiness, resources, and contextualized instruction to optimize project-based learning in promoting higher-order thinking skills.

Keywords: Project-Based Learning, Higher-Order Thinking Skills, Teacher Perception, Case Study

INTRODUCTION

In English language education, it is both linguistic essential foster proficiency and higher-order thinking. Various methods have been applied, Project-Based including Learning, Problem-Based Learning, and Cooperative Learning, each of which encourages student-centred, meaningful engagement in learning.

The Merdeka Curriculum emphasizes Higher-Order Thinking Skills such as analysing, evaluating, and creating, moving beyond rote memorization (Nur & Maulida, 2024). Previous studies found that instructional materials, including the textbook Bahasa Inggris: Work Progress, already incorporate elements of higher-order thinking skills (Husni & Ginting, 2023). However, the success of this curriculum depends not only on materials but also on the strategies employed by teachers.



Vol. 19, No. 2; September 2025, pp. 267-272

Among various models, project-based learning is considered effective because it inquiry, autonomy, integrates authentic tasks that foster critical thinking, collaboration, and creativity (Bell, 2010; Thomas, 2000). Research also highlights its positive impact on students' learning especially outcomes, in enhancing analysis and evaluation skills (Luchang & Nasri, 2023; Sudarso, 2024). In English language instruction, project-based learning provides contextualized learning through meaningful projects that both communication strengthen and cognitive skills (Almulla, 2020).

While much research has examined student outcomes, there is still limited focus on teachers' perspectives in implementing project-based learning under the Merdeka Curriculum. This study therefore explores teachers' perceptions of project-based learning in promoting higher-order thinking skills in English classes.

Project-Based Learning is instructional approach that emphasizes active engagement through students' meaningful and real-world projects. (Blumenfeld, 1991) describe it as a method designed to engage learners in investigating authentic problems, while (Patton, 2012) highlights that it goes beyond the final product by fostering critical thinking, collaboration, creativity, and communication. In practice, teachers act as facilitators who guide planning, execution, and reflection, while students take responsibility for managing tasks. conducting research, and presenting outcomes. Project-based learning also technology, reflection, integrates assessment, making authentic comprehensive approach that supports both content mastery and the development of 21st-century skills (Thomas, 2000; Bell, 2010) and it provides meaningful learning experiences, supports contextual understanding, and fosters student autonomy (Lutfiyana, 2024).

Its key characteristics include studentcenteredness. increased motivation. creativity, collaboration, and continuous feedback (Sheppard, 1995). Previous studies confirm that project-based learning enhances higher-order thinking, problemsolving, and positive attitudes toward learning. However, challenges such as time constraints, evaluation complexity, and the need for teacher readiness and sufficient resources remain significant (Hidayah, 2021). Thus, project-based learning not only enriches language learning but also proven effective in shaping both academic competencies and character development in line with 21stcentury demands.

As Project-Based Learning is widely recognized as an effective strategy to enhance higher-order thinking skills by engaging students in authentic, real-world problems that demand critical thinking, problem-solving. and collaboration (Takiddin, 2020; Isnani, 2023). and problem-solving abilities (Halim, 2023), in particularly Indonesian however, little empirical research has been undertaken to investigate concerns faced school English teachers implementing Project Based Learning in promoting Higher Order Thinking Skill. To fill this void, this study explored the teachers' perceptions ofxplores teachers' perceptions of Project-Based Learning in English language teaching to promote Higher-Order Thinking Skills.

METHOD

This study employed a qualitative case study design (Creswell, 2008) to explore English teachers' perceptions of Project-Based Learning in promoting Higher-Order Thinking Skills. The research was conducted in three private junior high schools in Bogor Regency, West Java, with varying accreditation levels (two A and one B). Participants consisted of three English teachers two males and one female selected purposively for their active use of project-based learning; their



Vol. 19, No. 2; September 2025, pp. 267-272

teaching experience ranged from two to thirty years. Data were collected through a seven-item open-ended questionnaire. distributed via Google and semi-structured interviews. The questionnaire explored teachers' perceptions, implementation strategies, and challenges in applying project-based learning, while interviews provided deeper insights into their practices and reflections. Both instruments allowed teachers to share their experiences freely, generating rich and authentic data. The data were analyzed (Miles Matthew В., framework involving data reduction. display, and conclusion drawing. Responses were coded thematically under dimensions such as real-world relevance, collaboration, critical and creative thinking, instructional challenges, and assessment complexity. Findings indicated that teachers perceived project-based learning as an effective student-centered approach to foster higher-order thinking skills, though issues such as time constraints, student diversity, and limited resources were identified, underscoring the need for institutional support and professional development for successful implementation.

FINDINGS AND DISCUSSION

The findings showed that there are three main themes: teachers' perceptions of Project-Based Learning, teachers' implementation of project-based learning, teachers' implementation of project-based learning to promote higher-order thinking skills.

Teachers' Perceptions of Project-based Learning

The findings revealed that teachers held a clear conceptual understanding of Project-Based Learning as a student-centred model. They emphasized the active role of learners in exploring materials, collaborating with peers, and making independent decisions, while teachers positioned themselves more as facilitators

This than instructors. aligns (Sheppard, 1995) and (Almulla, 2020), who argue that project-based learning empowers students through autonomy and inquiry-based learning. Teachers also perceived project-based learning product-oriented, with learning outcomes demonstrated in tangible forms such as greeting cards, cooking demonstration product reviews. videos, or perspective is consistent with (Patton, 2012), who highlights the importance of visible products as evidence of skill application. Another perception strongly emphasized was the contextual relevance project-based learning. **Teachers** intentionally designed tasks connected to students' real lives, such as local foods or social media reviews, which resonates with (Guo, 2021) who note that authentic contexts promote higher-order thinking and engagement. Finally, collaboration was viewed as a key component, as group fostered communication, negotiation, and shared responsibility among students, reflecting the cooperative learning principles described (Blumenfeld, 1991). Although some challenges in group dynamics were noted, teachers agreed that collaboration provided social and cognitive benefits. Overall, teachers believed that projectlearning supports autonomy, based creativity, and critical engagement in English language learning.

Teachers' Implementation of Projectbased Learning

In practice, teachers implemented projectbased learning through systematic and structured steps, beginning with careful planning and preparation of themes relevant to students' interests, such as local culture or tourism. They followed staged frameworks like BKOF (Building Knowledge of the Field), **MOT** (Modelling of the Text), and ICOT (Independent Construction of the Text), reflecting models by (Patton, 2012) and (Thomas, 2000), which emphasize

scaffolding and gradual development. Teachers acted as facilitators, guiding through brainstorming, learners and independent practice, modelling, production while monitoring group activities. Collaboration was at the core of implementation, as students worked in mixed-ability groups and shared roles to ensure equitable participation. Teachers also embedded assessment and feedback throughout the process, using rubrics to evaluate creativity, teamwork, language use, consistent with (Bell, 2010) argument that reflection and ongoing feedback are essential in project-based learning. While limited instructional time and differences in student abilities posed challenges, teachers reported that projectencouraged based learning deeper problem-solving, engagement, and creativity, supporting the view structured, student-centred projects can transform classroom learning into more meaningful experiences.

Teachers' Implementation of Projectbased Learning to promote Higherorder Thinking Skills

Teachers also highlighted the role of project-based learning in fostering Higher-Order Thinking Skills. They reported employing three main strategies: (1) designing tasks that required analysis, evaluation, and synthesis of information; (2) encouraging creativity through original product creation; and (3) situating learning in real-life contexts. Activities such as script development, product reviews, or food demonstrations required students to apply Bloom's Revised Taxonomy (Anderson, 2001) by analysing information, making judgments, and presenting ideas logically. Creative tasks, such as designing greeting cards or digital posters, encouraged imagination, originality, and innovation, reflecting (Sheppard, 1995) assertion that creativity is central to project-based learning. Meanwhile, authentic and contextualized tasks, such as creating social media-style reviews. enhanced relevance engagement, echoing the findings of (Almulla, 2020) and (Thomas, 2000) on the importance of authenticity in projectbased learning. Through these strategies, teachers perceived that students were challenged to move beyond memorization toward critical reflection, problemsolving, and creative expression. Despite constraints such as time limitations and uneven group participation, project-based learning was regarded as effective in promoting analytical reasoning, creativity, and meaningful language application.

CONCLUSION

This study examined English teachers' perceptions and practices of Project-Based Learning in promoting students' Higher-Order Thinking Skills. The findings revealed that teachers viewed projectbased learning as a student-centred approach emphasizing product creation, real-life relevance, and collaboration. These perceptions were reflected in implementation classroom through project cycles, structured including planning, step-by-step instruction, group collaboration, assessment, and teacher facilitation. Students were positioned as active participants, encouraged to take learning, of ownership collaborate meaningfully, and produce tangible outputs. To foster higher-order thinking skills, teachers designed critical-thinking tasks, encouraged creativity, and grounded learning in authentic contexts. As a result, students developed not only linguistic competence but also problem-solving, decision-making, and reflective skills. Overall, project-based learning was seen as an effective pedagogical model that makes learning meaningful, studentand connected to real-world driven, applications.

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Vol. 19, No. 2; September 2025, pp. 267-272

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English Journal

Vol. 19, No. 2; September 2025, pp. 267-272

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