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AI IN THE CLASSROOM: EMPOWERING PRIMARY SCHOOL TEACHERS

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EXECUTIVE SUMMARY

In today's education landscape, technology has reshaped how teaching and learning are conducted as well as the role of teachers. One of the most promising and significant applications in the education field is the use of Artificial Intelligence (AI) tools. Recently, lecturers from the Computing Science Studies, Faculty of Computer and Mathematical Sciences, have been invited by the management of Sekolah Kebangsaan Mambau to conduct a special workshop introducing the school's teachers to AI tools in the teaching and learning processes. The workshop is called "Bengkel Penggunaan AI dalam Dunia Pendidikan: Dari Alat ke Amalan", which aims to enhance teachers' awareness, confidence, and practical skills in integrating AI tools into classroom practices.

INTRODUCTION

The advancement of AI has opened new opportunities in education, such as transforming how teachers plan, prepare, deliver, and assess their pupils. Recognising the need to prepare all teachers to shift from a manual way of conducting lessons to using AI tools, the workshop was intended to be a starting platform for all teachers on how AI can simplify lesson preparation, create more engaging learning activities, and significantly reduce administrative workload. Held in the school's computer lab and conducted by three computer science lecturers, 33 teachers have successfully participated in the 2-hour workshop on the 3rd September 2025, from 1:30 pm until 3:30 pm.

Figure 1: Cover for presentation slides and the participants of the workshop

Figure 1. illustrates the first page of the presentation slides showing the workshop title and a snapshot of participants having fun while learning together. The workshop began with an overview of AI technology in education and highlighted that AI is not meant to replace teachers, but to empower them. Figure 2. displays the responses gathered using Mentimeter web apps during the ice-breaking session. Teachers were then introduced to platforms like ChatGPT for creating lesson ideas, MagicSchool AI for generating assessment rubrics, and Curipod for conducting interactive learning activities.

Figure 2: The result of the real-time quiz and polls conducted using the Mentimeter web-based application

RESULTS AND ACHIEVEMENTS

What stood out most was the hands-on experience. Teachers were encouraged to try out the tools themselves, such as designing a sample of their lesson, creating a comprehensive rubric for assessments, and finally experimenting and experiencing the live and interactive features offered by the tools. Laughter and excitement filled the lab as teachers discovered how quickly AI could simplify tasks that once took hours. Towards the end of the workshop, positive feedback was gathered as all teachers expressed their enthusiasm for adopting AI tools to prepare lesson plans and worksheets, boost creativity, and create an engaging learning environment with pupils. The analysis of the participants' feedback is shown in Figure 3.
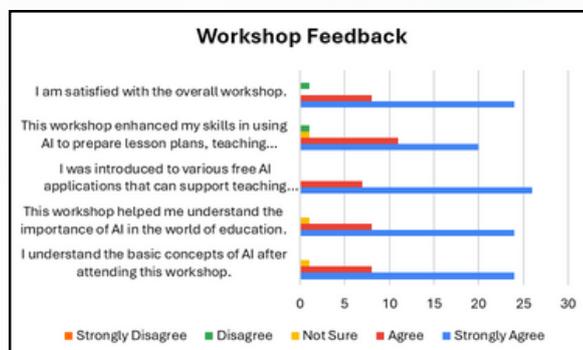

Figure 3: The analysis of feedback gathered from the workshop participants.

The feedback form distributed to the participants also assessed their readiness and willingness to use AI tools in their teaching and learning processes. Figure 4. below displays the analysis of feedback collected, and it not only reflects their level of interest in integrating AI into their teaching and learning practices but also provides insights into their confidence, perceived benefits, and potential challenges in applying these tools. This information is valuable in understanding how well the workshop objectives were met and in identifying areas where additional training, resources, or support may be needed to encourage consistent and effective use of AI in education.
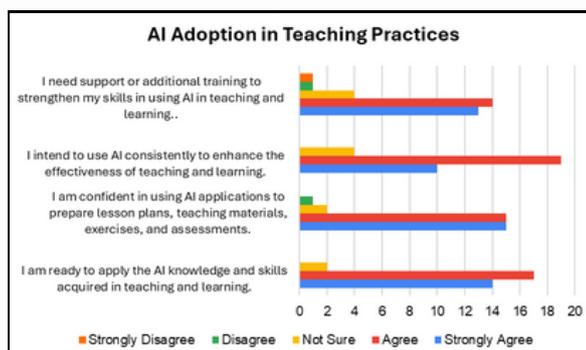

Figure 4: The analysis of feedback on participant readiness and willingness to use
the AI tools introduced in the workshop

CONCLUSION

The workshop concluded with a clear message stating that AI is not just a theoretical concept, but it is already being commonly used, shaping the way education unfolds. Building on this momentum, future workshops with the same teachers could explore deeper classroom strategies for using AI effectively. For primary school teachers, embracing these tools means being better prepared to foster students who will one day live and work in an AI-driven world.