

ABSTRAK

Penelitian ini dilatarbelakangi bahwa transformasi digital dan integrasi kecerdasan buatan (AI) dalam dunia pendidikan menuntut adanya peningkatan kesiapan kapasitas guru serta dukungan infrastruktur yang memadai guna memicu keterlibatan aktif siswa. Penelitian ini bertujuan untuk menganalisis pengaruh kompetensi profesional guru dan sarana pembelajaran berbasis AI dalam meningkatkan motivasi belajar murid di SD Negeri Gugus Ki Hajar Dewantara Kecamatan Wanareja Kabupaten Cilacap. Penelitian ini menggunakan metode survei dengan pendekatan kuantitatif *ex post facto* dan desain korelasional. Kriteria responden atau populasi dalam penelitian ini adalah seluruh guru, baik guru kelas, guru mata pelajaran, maupun guru pendamping di SD Negeri Gugus Ki Hajar Dewantara Kecamatan Wanareja yang berjumlah kurang dari 100 orang. Teknik pengambilan sampel yang digunakan adalah *Proportionate Stratified Random Sampling*, di mana jumlah sampel ditetapkan sama dengan jumlah populasi (*total sampling/sensus*) karena ukuran populasi yang kurang dari 100 orang demi memperoleh data yang lebih akurat dan representatif. Teknik pengumpulan data dilakukan menggunakan angket atau kuesioner tertutup dengan skala Likert 1-5 yang telah diuji validitas dan reliabilitasnya. Hasil penelitian menunjukkan bahwa: 1) kompetensi profesional guru berpengaruh terhadap motivasi belajar murid. Artinya semakin tinggi kompetensi profesional guru, maka semakin tinggi pula motivasi belajar murid; 2) Sarana pembelajaran berbasis AI berpengaruh terhadap motivasi belajar murid. Artinya optimalisasi pembelajaran berbasis AI terbukti mampu meningkatkan motivasi belajar murid secara nyata; dan 3) Kompetensi profesional guru dan sarana pembelajaran berbasis AI berpengaruh terhadap motivasi belajar murid. Hal ini menunjukkan semakin tinggi kompetensi profesional guru dan sarana pembelajaran berbasis AI maka semakin meningkat motivasi belajar murid.. Penelitian ini menegaskan bahwa peningkatan kompetensi profesional guru dan pengoptimalan sarana pembelajaran berbasis AI secara nyata akan diikuti oleh peningkatan motivasi belajar murid.

Kata kunci: kompetensi profesional, sarana pembelajaran, motivasi murid.

ABSTRACT

This research is motivated by the fact that digital transformation and the integration of artificial intelligence (AI) in education demand an increase in teacher capacity and adequate infrastructure support to foster active student engagement. This study aims to analyze the influence of teacher professional competence and AI-based learning tools on increasing student learning motivation in State Elementary Schools of the Ki Hajar Dewantara Cluster, Wanareja District, Cilacap Regency. This study employed a survey method with a quantitative ex post facto approach and a correlational design. The criteria for respondents or the population in this study were all teachers, including classroom teachers, subject teachers, and assistant teachers, in the State Elementary Schools of the Ki Hajar Dewantara Cluster, Wanareja District, totaling fewer than 100 individuals. The sampling technique used was Proportionate Stratified Random Sampling, where the sample size was determined to be equal to the total population (total sampling/census) because the population size was less than 100 individuals, aiming to obtain more accurate and representative data. Data collection techniques were conducted using closed questionnaires with a 1-5 Likert scale, which had been tested for validity and reliability. The results of the study indicated that: 1) teacher professional competence influences student learning motivation. This implies that the higher the teacher's professional competence, the higher the student's learning motivation; 2) AI-based learning tools influence student learning motivation. This implies that the optimization of AI-based learning tools is proven to significantly increase student learning motivation; and 3) Teacher professional competence and AI-based learning tools simultaneously influence student learning motivation. This demonstrates that the higher the teacher's professional competence and the optimization of AI-based learning tools, the more student learning motivation will increase. This research confirms that an increase in teacher professional competence and the optimization of AI-based learning tools will significantly lead to an increase in student learning motivation.

Keywords: professional competence, learning resources, student motivation.