ABSTRACT

JOHANNES SOHIRIMON LUMBANBATU. NIM. 8186114003. NIM. 8186114003. *Development of a Website-Based Collegial Supervision Model in Improving the Professional Competence of Middle School Teachers in Batu Bara Regency*. **Dissertation**. **Medan**: ***Postgraduate Education Management Study Program***, **Universitas Negeri Medan**, **2022**.

This study aims to identify the characteristics of a website-based collegial supervision model, to determine the feasibility of a website-based collegial supervision model, and to determine the effectiveness of the implementation of a website-based collegial supervision model to improve the professional competence of junior high school teachers in Batu Bara Regency. The research method is Research and Development (R&D) through the Plomp model with 5 (five) phases, namely the investigation, design, realization, test, evaluation and revision phases, and implementation by testing the model. Research data collection is done by observation, documentation, interviews, and tests. The data analysis technique is mix method analysis. The feasibility of the model is tested through expert validation and user testing. The research was carried out in all junior high schools in Batubara Regency from January 2021 to July 2021. The research subjects were 103 people. Based on the results of model testing, it was found: a) the characteristics of the website-based collegial supervision model are: website-based, teacher-centered, flexible, scientific; and clear; b) the feasibility of the website-based collegial supervision model is very feasible, obtained through a feasibility test of material experts at 98.5% (very feasible), media experts at 88.9% (very feasible), and user trials of 81.06 (very feasible); c) the effectiveness of the website-based collegial supervision model is effective in increasing the professional competence of junior high school teachers in Batu Bara Regency with an average n-gain > 55 effective categories. So it can be concluded that the use of a website-based collegial supervision model is effective in improving the professional competence of junior high school teachers in Batu Bara Regency.

Keywords: supervision, collegial; professional competence

ABSTRAK

JOHANNES SOHIRIMON LUMBANBATU. NIM. 8186114003. Pengembangan Model Supervisi Kolegial Berbasis *Website* dalam meningkatkan Kompetensi Profesional Guru SMP di Kabupaten Batu Bara. **Disertasi. Medan**: **Program Studi S3 Manajemen Pendidikan Pascasarjana Universitas Negeri Medan**, **2022**.

Penelitian ini bertujuan untuk mengidentifikasi karakteristik model supervisi kolegial berbasis *website*, mengetahui kelayakan model supervisi kolegial berbasis *website*, dan untuk mengetahui efektivitas implementasi model supervisi kolegial berbasis *website* untuk meningkatkan kompetensi profesional guru SMP di Kabupaten Batu Bara. Metode penelitian *Research and Development* (R&D) melalui model Plomp dengan 5 (lima) yaitu fase investigasi, desain, realisasi, tes, evaluasi dan revisi, dan implementasi dengan melakukan uji coba model. Pengumpulan data penelitian dilakukan dengan, observasi, dokumentasi, wawancara, dan tes. Teknik analisis data adalah analisis *mix methode*. Kelayakan model diuji melalui validasi ahli dan uji coba pengguna. Penelitian dilaksanakan di seluruh SMP di Kabupaten Batubara pada bulan Januari 2021 sampai bulan Juli 2021. Subyek penelitian sebesar 103 orang. Berdasarkan hasil ujicoba model ditemukan: a) karakteristik model supervisi kolegial berbasis website adalah: berbasis *website*, berpusat pada guru, fleksibel, ilmiah; dan jelas; b) kelayakan model supervisi kolegial berbasis *website* adalah sangat layak yang diperoleh melalui uji kelayakan ahli materi sebesar 98,5% (sangat layak), ahli media 88,9% (sangat layak), dan uji coba pengguna sebesar 81,06 (sangat layak); c) efektivitas model supervisi kolegial berbasis *website* adalah efektif meningkatkan kompetensi profesional guru SMP di Kabupaten Batu Bara dengan rata-rata n-gain > 55 katergori efektif. Sehingga dapat disimpulkan penggunaan model supervisi kolegial berbasis *website* efektif dalam meningkatkan kompetensi professional guru SMP di Kabupaten Batu Bara.

Kata Kunci: supervisi, kolegial; kompetensi profesional