



SEMINAR NASIONAL HASIL PENGABDIAN MASYARAKAT

PELATIHAN PEMBELAJARAN COMPUTATIONAL THINKING BAGI GURU- GURU SEKOLAH ERENOS DI TANGERANG SELATAN (COMPUTATIONAL THINKING LEARNING TRAINING FOR ERENOS SCHOOL TEACHERS IN SOUTH TANGERANG)

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Abstrak

Kemajuan teknologi Informasi yang demikian pesat telah mempengaruhi dan mengubah berbagai aspek kehidupan masyarakat terkait perkembangan ilmu pengetahuan, kegiatan sosial ekonomi dan kebudayaan. Hal tersebut memerlukan penyesuaian metode pembelajaran dalam dunia pendidikan salah satunya dengan menggunakan pembelajaran *Computational Thinking* (CT). Tujuan kegiatan ini, melakukan kegiatan dalam rangka meningkatkan kompetensi Guru untuk mengajar dengan menggunakan konsep berpikir komputasi. Metode kegiatan pelatihan dilakukan dalam pertemuan tatap muka dan pembelajaran online secara asinkronus, di mana peserta diberikan bahan ajar, kuis, forum tanya jawab dan tugas mengajar siswa. Pengukuran ketercapaian tujuan kegiatan ini dilakukan dengan menggunakan pre-test dan post-test, kuisioner dan observasi selama kegiatan. Kegiatan pelatihan ini dilaksanakan di Sekolah Erenos, Tangerang Selatan selama 32 Jam Pelajaran dengan peserta sebanyak 52 guru dari jenjang pendidikan TK, SD, SMP dan SMA. Hasil dari kegiatan ini ditunjukkan dari sikap peserta, memiliki respon yang baik selama kegiatan penelitian. Di akhir pelatihan, peserta memberikan testimoni mengenai pembelajaran CT, walaupun bagi peserta CT merupakan hal yang baru namun peserta tertarik untuk mengimplementasikan pembelajaran CT. Dalam hal pemahaman peserta, diukur melalui pre-test dan pos-test, terjadi peningkatan cukup signifikan, yang ditunjukkan dari berkurangnya peserta dengan skor Low dan meningkatnya peserta dengan skor High. Kesimpulan dalam melakukan kegiatan pengabdian ini, para peserta telah dapat memahami pembelajaran CT dan tertarik untuk mengimplementasikannya dalam pembelajaran di kelas.

Kata kunci: *Computational Thinking*, Pelatihan, Pendidikan Sekolah

Abstract

The rapid progress of information technology has influenced and changed various aspects of people's lives related to the development of science, socio-economic and cultural activities. This requires adjustments to learning methods in the world of education, one of which is using *Computational Thinking* (CT) learning. The aim of this activity is to carry out activities in order to increase teacher competence to teach using computational thinking concepts. The training activity method is carried out in face-to-face meetings and asynchronous online learning, where participants are given teaching materials, quizzes, question and answer forums and student teaching assignments. Measuring the achievement of the objectives of this activity was carried out using pre-test and post-test, questionnaires and observations during the activity. This training activity was carried out at Erenos School, South Tangerang for 32 meeting hours, with 52 teachers from kindergarten, elementary, middle and high school education levels participating. The results of this activity are shown in the participants' attitudes, having a good response during the research activity. At the end of training, participants gave testimonials regarding CT learning, even though for participants CT was something new they had learned, participants were interested in implementing CT learning. In terms of participants' understanding, measured through the pre-test and post-test, there was a significant increase, as shown by the decrease in participants with Low scores and the increase in participants with High scores. In conclusion, in carrying out this service activity, the participants were able to understand CT learning and were interested in implementing it in classroom learning.

Keywords: *Computational Thinking*, Training, School Education

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