

PELATIHAN PEMROGRAMAN PYTHON DASAR DI MGMP MEDIA DAN KOMPUTER DI LP MA'ARIF NU YOGYAKARTA

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ABSTRACT

Python is a high-level programming language and is one of the programming languages that can build web-based or mobile-based applications. The Python programming language is very suitable to be taught to students, especially in vocational high schools related to the Informatics department as a provision to face the world of work. One of the branches of LP Ma'arif NU at the regional level is LP Ma'arif NU Yogyakarta which has 16 Subject Teacher Consultative Groups (MGMP), one of which is the Media and Computer MGMP. In accordance with the National Education Standards, the competence of teacher expertise in the field of media and computers is expected to always be updated, one of which is in mastering programming languages. Considering the number of teachers who still do not master the Python programming language, the purpose of this service activity is to provide Python programming language training to the teachers of the media and computer MGMP group of LP Ma'arif NU Yogyakarta.

The steps taken in this activity are divided into several stages starting from planning, action, observation and reflection. Basic Python programming training has been carried out for 4 days. The achievement of the target for the implementation of basic Python programming training activities is analyzed from several factors, including the percentage of participant attendance, increasing the competence of trainees, and the level of participant satisfaction with the implemented training program. The progress of increasing the competence of participants is measured by comparing the results of the pretest that was carried out before the training activities with the results of the posttest which was carried out after the training activities. The results of the participants' posttest scores showed a significant increase compared to the pretest scores. The participants' pretest scores were in the range of 16-60 points with an average score of 31.81 while the participants' posttest scores were in the range of 36-88 points with an average score of 55 points. From this comparison, the basic python training program has succeeded in increasing the trainees' understanding of basic python programming.

Some of the benefits that participants get from basic python programming training are that the training program is able to add insight and preparation of the syntax of the Python programming language as well as an overview of the implementation of the Python language on a hardware for teachers.

Kata Kunci: *Training, python, programming, teacher.*