

OPTIMALISASI PEMANFAATAN Kit-IPA PGSD UNTUK PENINGKATAN KETERAMPILAN PROSES SAINS PADA PELAKSANAAN TUTORIAL PRAKTIKUM IPA di SD

Abd Faqih,

Dosen Universitas Terbuka UPBJJ Surabaya

ABSTRACT

Has conducted research on optimizing the utilization of Kit-IPA to enhance the science process skills second semester students UT-Pokjar Mojokerto through the tutorial elementary science lab courses. The results showed that: [1] Kit-IPA in SD existence strongly supports the implementation of practical activities guided and independent lab (96.96% of respondents agreed), thus greatly help improve the mastery of science process skills (90.8% of respondents agreed). The pre test student mastery of science process skills are very low at only 6.25%, however an increase is very good at the end of the post-test (93.75%). This reinforces the argument that by optimally utilizing IPA Kit and intensive guidance students science process skills can be further improved. [3] science process skills, namely: the ability to design experiments that include: (1) formulating objectives, (2) prepare tools and materials, (3) make hypotheses and (4) establish procedures, conducted an experiment: (5) take the data, (6) organizing data and (7) perform the interpretation of experimental results) and (8) develop conclusions based on concepts and facts honestly, (9) a report experiment, an increase of testing practices at a meeting of the 3rd, 5th and 7th.

Keywords: *Process science, SD Kit IPA, IPA Practicum in SD*

ABSTRAK

Telah dilakukan penelitian tentang optimalisasi pemanfaatan Kit-IPA untuk meningkatkan keterampilan proses sains mahasiswa semester II UT-Pokjar Kabupaten Mojokerto melalui tutorial mata kuliah praktikum IPA SD. Hasil penelitian menunjukkan bahwa: [1] Kit-IPA di SD keberadaannya sangat mendukung pelaksanaan kegiatan praktikum terbimbing dan praktikum mandiri (96,96% responden setuju), sehingga sangat membantu peningkatan penguasaan keterampilan proses sains (90,8% responden setuju). Hasil pre test penguasaan keterampilan proses sains mahasiswa sangat rendah hanya 6,25% Namun demikian terjadi peningkatan sangat baik pada akhir proses post-test (93,75%). Hal ini menguatkan argumentasi bahwa dengan memanfaatkan Kit IPA secara optimal serta bimbingan secara intensif keterampilan proses sains mahasiswa dapat lebih ditingkatkan. [3] Keterampilan proses sains, yaitu: kemampuan merancang percobaan yang mencakup: (1) merumuskan tujuan, (2) menyiapkan alat dan bahan, (3) membuat hipotesis dan (4) menyusun prosedur, *melakukan percobaan*: (5) mengambil data, (6) mengorganisasi data dan (7) melakukan interpretasi data hasil percobaan) dan (8) *menyusun kesimpulan* berbasis konsep dan fakta secara jujur, (9) membuat *laporan percobaan*, mengalami peningkatan dari uji praktek pada pertemuan ke-3, ke-5 dan ke-7.

Kata Kunci : Proses sains, Kit IPA SD, Praktikum IPA di SD

¹Korespondensi: Abd Faqih *Dosen Universitas Terbuka UPBJJ Surabaya Email:*
abdulfaqih@ut.ac.id

