ANALISIS KETERAMPILAN PROSES SAINS SISWA DALAM PEMBELAJARAN IPA PADA MASA PANDEMI COVID-19 DI SMP NEGERI 1 BANJAR TAHUN AJARAN 2021/2022

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ABSTRAK

Penelitian ini bertujuan untuk (1) mendeskripsikan profil keterampilan proses sains siswa, (2) menjelaskan proses pembelajaran untuk mengembangkan keterampilan proses sains siswa serta (3) menganalisis faktor-faktor yang berkontribusi terhadap pengembangan keterampilan proses sains siswa. Jenis penelitian ini adalah deskriptif kualitatif dengan pendekatan fenomenologi. Sumber data penelitian ini adalah siswa kelas VIII yang berjumlah 201 orang dan dua orang guru IPA. Metode pengumpulan data dalam penelitian ini yakni metode tes, wawancara, studi dokumen dan observasi. Teknik analisis data menggunakan teknik analisis yang terdiri atas reduksi dan penyajian data serta penarikan kesimpulan/verifikasi serta divalidasi keabsahan data melalui triangulasi teknik dan triangulasi sumber. Hasil penelitian menunjukkan profil keterampilan proses sains siswa tergolong cukup dengan persentase rata-rata 55%. Proses pembelajaran selama pandemi Covid-19 yang dilakukan guru yakni (1) memberikan kesempatan kepada siswa untuk menggunakan keterampilan dalam pembelajaran dengan metode praktikum secara mandiri di rumah, (2) menerapkan model pembelajaran *discovery learning* dan *project based learning*, (3) memberikan kesempatan kepada siswa untuk berdiskusi saat kondisi normal. Faktor pendukung dalam pengembangan keterampilan proses sains adalah (1) guru memiliki pemahaman yang baik tentang keterampilan proses sains, (2) siswa memiliki rasa ingin tahu dan motivasi yang baik, (3) sarana dan prasarana yang memadai sedangkan faktor penghambat pengembangan keterampilan proses yakni: (1) guru jarang melaksanakan praktikum di sekolah, (2) siswa sering membagi tugas dengan teman kelompoknya sehingga siswa tidak dapat mengembangkan keterampilan proses sainsnya secara menyeluruh dan (3) ketersediaan alat dan bahan belum mencukupi.

Kata Kunci: keterampilan proses sains, proses pembelajaran, pembelajaran IPA SMP

SCIENCE PROCESS SKILLS ANALYSIS OF STUDENTS IN SCIENCE LEARNING DURING THE COVID-19 PANDEMIC AT SMP NEGERI 1 BANJAR ACADEMIC YEAR 2021/2022

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ABSTRAC

This research aims to (1) describe the profile of students science process skills, (2) explain the learning process to develop students science process skills and (3) analyze the factors that contribute to the development of students science process skills. This type of research is descriptive qualitative with a phenomenological approach. The data sources of this research were 201 class VIII students and two science teachers. The methods of data collection in this research are test, interview, document study and observation methods. The data analysis technique used analytical techniques consisting of data reduction and presentation as well as drawing conclusions/verification and validated the validity of the data through technical triangulation and source triangulation. The results showed that the profile of students science process skills was quite adequate with an average percentage of 55%. The learning process during the Covid-19 pandemic carried out by the teacher was (1) providing opportunities for students to use skills in learning with practicum methods independently at home, (2) applying discovery learning and project based learning models, (3) providing opportunities for students to discuss under normal conditions. Supporting factors in developing science process skills are (1) teachers have a good understanding of science process skills, (2) students have good curiosity and motivation, (3) adequate facilities and infrastructure while inhibiting factors for developing process skills are: (1) teachers rarely carry out practicum at school, (2) students often share assignments with their group friends so that students cannot develop their scientific process skills thoroughly and (3) the availability of tools and materials is not sufficient.

Keywords: science process skills, learning process, science learning junior high school