

Sa'adah. 2020. Analisis Kemampuan Berpikir Kritis Siswa SMP Materi Pemanasan Global dengan Soal Berbasis Pendekatan *Socioscientific Issues* (SSI). Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing 1: Ana Yuniasti Retno Wulandari, S.Pd., M.Pd. dan Pembimbing 2 : Aida Fikriyah, S.Pd., M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui persentase kemampuan berpikir kritis dan tingkat kemampuan berpikir kritis siswa pada materi pemanasan global dengan soal berbasis pendekatan *socioscientific issues* (SSI). Jenis penelitian yang digunakan adalah *mix method design* dengan desain penelitian *explanatory mix method design*. Tes diberikan melalui *google form*, dikarenakan pada saat pengambilan data terdapat pandemi virus Covid-19. Populasi penelitian adaah siswa-siswi kelas VII SMPN 06 Gresik, sedangkan sampel penelitian diambil sebanyak 20 orang dengan menggunakan teknik pengambilan sampel *purposive sampling*. Sedangkan sampel yang digunakan saat melakukan wawancara sebanyak 5 orang dengan memakai rumus standar deviasi. Hasil penelitian menunjukkan bahwa 1) berdasarkan standar deviasi persentase kemampuan berpikir kritis siswa kategori tinggi 5%, kategori sedang 85%, dan kategori sangat renda 10%. 2) Tingkat kemampuan berpikir kritis siswa rata-rata tergolong sedang.

Kata kunci: Kemampuan Berpikir Kritis, *Socioscientific Issues* (SSI)

Sa'adah. 2020. Analysis of Critical Thinking Ability of Secondary School Students in Global Warming Topic with Questions Based on Socioscientific Issues (SSI) Approach. Thesis, Natural Science Education Study Program, Faculty of Education, Trunojoyo University, Madura. 1st Advisor: Ana Yuniasti Retno Wulandari, S.Pd., M.Pd. and 2nd advisor: Aida Fikriyah, S.Pd., M.Pd.

ABSTRACT

This study aims to determine the percentage of critical thinking skills and the level of critical thinking skills of students on the subject of global warming with problems based on socioscientific issues (SSI) approach. This type of research was a mix method design with explanatory mix method design research. Tests were given via google form, because when collecting data there was a Covid-19 virus pandemic. The research population consisted of Grade VII students of SMPN 06 Gresik, while the study sample was taken as many as 20 people by using a purposive sampling technique. While interviewing the sample used as many as 5 people by using the standard deviation formula. Based on the standard deviation, showed that the percentage of critical thinking skills of students in the high category was 5%, the medium category was 85%, and the low category was 10%. 2) The level of critical thinking skills of students is on average classified as moderate.

Keywords: Critical Thinking Ability, Socioscientific Issues (SSI)