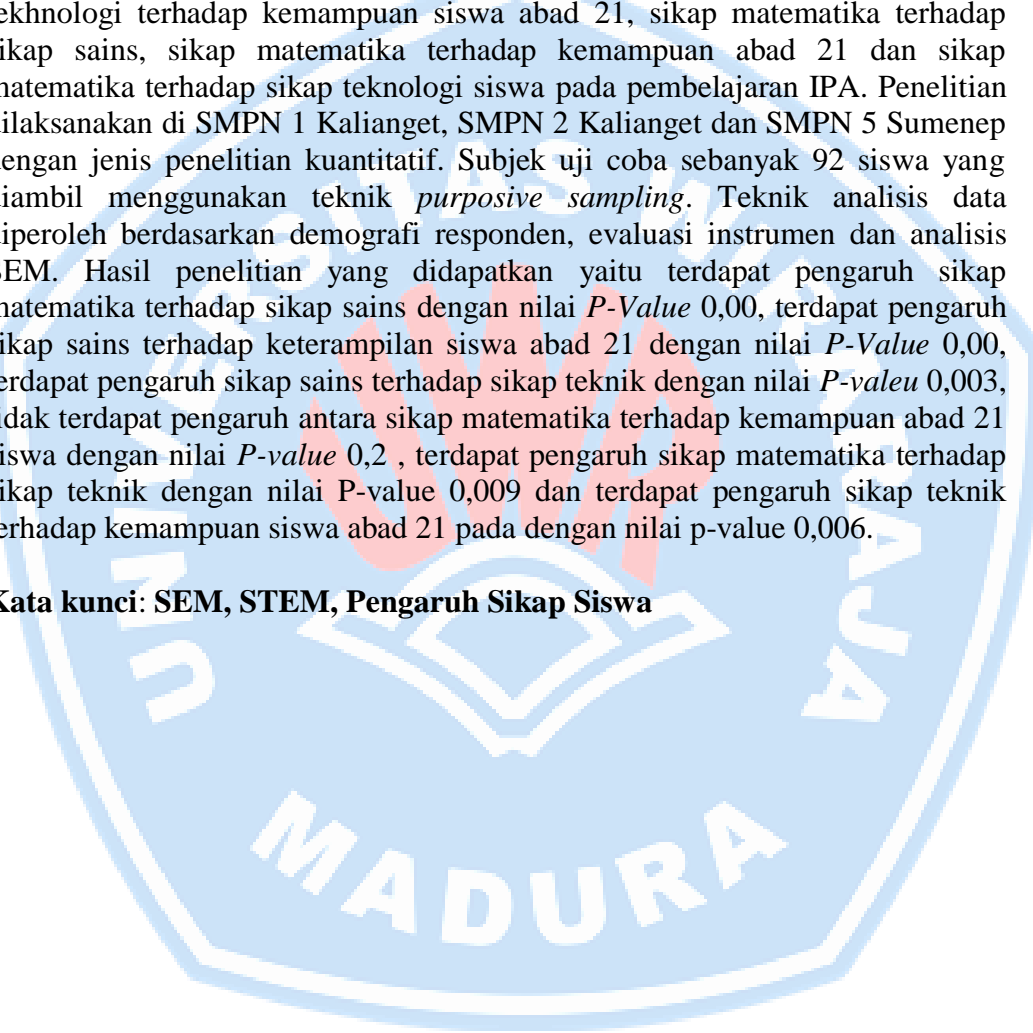# ABSTRAK

Kamaliya, Sitti, 2020. Sikap Siswa Terhadap STEM di SMP Pesisir Pada Pembelajaran IPA Dengan Menggunakan S-STEM Versi Indonesia. Skripsi: Program Studi Pendidikan IPA. Fakultas Keguruan dan Ilmu Pendidikan. Universitas Wiraraja. Pembimbing: (I) Anik Anekawati, M.Si (II) Dyah Ayu Fajarianingtyas, S.Si., M.Pd

Penelitian ini bertujuan mengetahui adanya pengaruh sikap sains terhadap keterampilan siswa abad 21, sikap sains terhadap tekhnologi, sikap tekhnologi terhadap kemampuan siswa abad 21, sikap matematika terhadap sikap sains, sikap matematika terhadap kemampuan abad 21 dan sikap matematika terhadap sikap teknologi siswa pada pembelajaran IPA. Penelitian dilaksanakan di SMPN 1 Kalianget, SMPN 2 Kalianget dan SMPN 5 Sumenep dengan jenis penelitian kuantitatif. Subjek uji coba sebanyak 92 siswa yang diambil menggunakan teknik *purposive sampling*. Teknik analisis data diperoleh berdasarkan demografi responden, evaluasi instrumen dan analisis SEM. Hasil penelitian yang didapatkan yaitu terdapat pengaruh sikap matematika terhadap sikap sains dengan nilai *P-Value* 0,00, terdapat pengaruh sikap sains terhadap keterampilan siswa abad 21 dengan nilai *P-Value* 0,00, terdapat pengaruh sikap sains terhadap sikap teknik dengan nilai *P-valeu* 0,003, tidak terdapat pengaruh antara sikap matematika terhadap kemampuan abad 21 siswa dengan nilai *P-value* 0,2 , terdapat pengaruh sikap matematika terhadap sikap teknik dengan nilai P-value 0,009 dan terdapat pengaruh sikap teknik terhadap kemampuan siswa abad 21 pada dengan nilai p-value 0,006.

Kata kunci: **SEM, STEM, Pengaruh Sikap Siswa**

ABSTRACT

Kamaliya, Sitti, 2020. Students' Attitudes towards STEM in Coastal Junior High School in Science Learning Using the Indonesian Version of S-STEM. Thesis: Science Education Study Program. Faculty of Teacher Training and Education. Wiraraja University. Supervisor: (I) Anik Anekawati, M.Si (II) Dyah Ayu Fajarianingtyas, S.Si., M.Pd

This study aims to determine the influence of science attitudes on 21st century students' skills, science attitudes towards technology, technology attitudes on 21st century students' abilities, mathematics attitudes towards science attitudes, mathematics attitudes towards 21st century abilities and mathematics attitudes towards students' technological attitudes in science learning. The research was carried out at SMPN 1 Kalianget, SMPN 2 Kalianget and SMPN 5 Sumenep with the type of quantitative research. The test subjects were 92 students who were taken using purposive sampling technique. Data analysis techniques were obtained based on respondent demographics, instrument evaluation and SEM analysis. The results obtained are that there is an influence of mathematical attitudes on science attitudes with a P-Value of 0.00, there is an influence of science attitudes on 21st century students' skills with a P-Value of 0.00, there is an influence of scientific attitudes on engineering attitudes with a P-value of valeu 0.003, there is no influence between mathematical attitudes on 21st century students' abilities with a P-value of 0.2, there is an effect of mathematical attitudes on engineering attitudes with a P-value of 0.009 and there is an influence of engineering attitudes on 21st century students' abilities with p-values

-value 0.006.

Keywords*: SEM, STEM, Influence of Student Attitude*