

**RESILIENSI PESERTA DIDIK SMA NEGERI DALAM MENGHADAPI
BENCANA KEBAKARAN HUTAN DAN LAHAN DI KABUPATEN
MUARO JAMBI**



TESIS

diajukan untuk memenuhi sebagian syarat untuk memperoleh gelar
Magister Pendidikan Geografi

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**PROGRAM STUDI MAGISTER PENDIDIKAN GEOGRAFI
FAKULTAS PENDIDIKAN ILMU PENGETAHUAN SOSIAL
UNIVERSITAS PENDIDIKAN INDONESIA
2025**

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MUARO JAMBI**

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S.Pd. Universitas Negeri Yogyakarta, 2021

Sebuah Tesis yang diajukan untuk memenuhi salah satu syarat memperoleh gelar
Magister Pendidikan (M.Pd.) pada Fakultas Pendidikan Ilmu Pengetahuan Sosial

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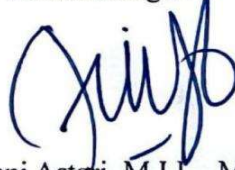
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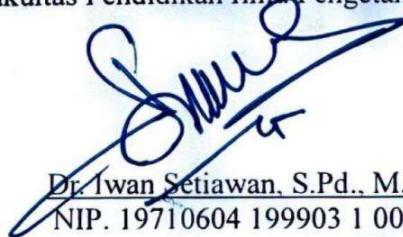
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KATA PENGANTAR

Puji syukur penulis panjatkan kepada Allah Subhanahu Wa Ta'ala atas segala limpahan rahmat, karunia, dan kekuatan yang telah diberikan sehingga penelitian dan penulisan tesis ini dapat diselesaikan dengan baik. Penulisan tesis ini dilakukan sebagai salah satu syarat untuk memperoleh gelar Magister Pendidikan pada Program Studi Pendidikan Geografi, Fakultas Pendidikan Ilmu Pengetahuan Sosial, Universitas Pendidikan Indonesia.

Tesis yang berjudul “Resiliensi Peserta Didik SMA Negeri dalam Menghadapi Bencana Kebakaran Hutan dan Lahan di Kabupaten Muaro Jambi” ini didasari oleh keprihatinan terhadap dampak berulang kabut asap akibat kebakaran hutan dan lahan lahan yang tidak hanya mengganggu kesehatan fisik, tetapi juga ketahanan psikososial dan proses pembelajaran peserta didik di daerah terdampak. Penelitian ini bertujuan untuk memahami secara utuh bagaimana peserta didik membangun ketahanan dalam menghadapi bencana ekologis yang kompleks dan apa peran sekolah dalam mendukung proses tersebut. Penulis meyakini bahwa pendidikan kebencanaan tidak hanya soal prosedur evakuasi, tetapi juga tentang membangun kesadaran, empati, dan daya lenting sejak bangku sekolah.

Selama proses penyusunan tesis ini penulis banyak belajar, bukan hanya dari literatur, tetapi juga dari interaksi dengan siswa, guru, pembimbing, dan berbagai pihak yang membuka perspektif baru. Penyusunan tesis ini pun tidak lepas dari bantuan, dukungan, dan arahan dari berbagai pihak. Oleh karena itu, penulis menyampaikan ucapan terima kasih yang setulus-tulusnya kepada:

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Bandung, Agustus 2025
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RESILIENSI PESERTA DIDIK SMA NEGERI DALAM MENGHADAPI BENCANA KEBAKARAN HUTAN DAN LAHAN DI KABUPATEN MUARO JAMBI

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ABSTRAK

Kebakaran hutan dan lahan di Kabupaten Muaro Jambi merupakan ancaman ekologis berulang yang dipicu oleh karakteristik lahan gambut yang rentan terbakar dan tingginya sebaran titik api saat musim kemarau. Dampak karhutla tidak hanya merusak ekosistem dan kualitas udara, tetapi juga mengganggu kesehatan, kesejahteraan psikososial, serta keberlangsungan pendidikan bagi peserta didik. Penelitian ini bertujuan untuk mengukur resiliensi siswa berdasarkan tingkat kerawanan karhutla, menganalisis pengaruh faktor: sosial-ekonomi, fisik, lingkungan, tata kelola, serta mendeskripsikan kontribusi sekolah dalam membangun kesiapsiagaan. Pendekatan *mixed methods* digunakan secara komplementer. Survei kuantitatif dilakukan terhadap 343 siswa dari 6 SMA Negeri di zona kerawanan tinggi, sedang, dan rendah. Sementara itu, data kualitatif diperoleh melalui wawancara semi-terstruktur dengan kepala sekolah dari tiap zona. Instrumen penelitian merujuk pada *Disaster Resilience Scale for Individuals (DRSi)* dan *Disaster Resilience of Place (DROP)* Model. Analisis data mencakup statistik deskriptif & inferensial serta analisis tematik. Hasil menunjukkan terdapat variasi skor resiliensi pada setiap tingkat kerawanan. Siswa di tingkat kerawanan tinggi memiliki skor resiliensi 98,55, siswa di tingkat kerawanan sedang dengan skor resiliensi 96,87, dan siswa di tingkat kerawanan rendah dengan skor resiliensi 97,07. Uji regresi menunjukkan bahwa keempat faktor utama berkontribusi signifikan terhadap pembentukan resiliensi ($R^2 = 0,410$), dengan faktor sosial-ekonomi sebagai prediktor paling dominan ($\beta = 0,368$; $p < 0,001$). Temuan kualitatif memperkuat hasil kuantitatif melalui narasi peran sekolah dalam penguatan jejaring sosial, dan kolaborasi dengan komunitas lokal. Penelitian ini menegaskan bahwa resiliensi siswa dibentuk oleh interaksi antara karakteristik individu, dukungan sosial, dan praktik kelembagaan, sehingga pendidikan kebencanaan perlu dirancang secara kontekstual dan berkelanjutan.

Kata Kunci: resiliensi bencana, kebakaran hutan dan lahan, tingkat kerawanan

THE RESILIENCE OF SENIOR HIGH SCHOOL STUDENTS CONFRONTING FOREST AND LAND FIRE DISASTERS IN MUARO JAMBI REGENCY

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ABSTRACT

Forest and land fires in Muaro Jambi Regency are a recurring ecological threat triggered by the characteristics of peatlands that are prone to fire and the high distribution of hotspots during the dry season. The impact of forest and land fires damages ecosystems and air quality and disrupts health, psychosocial well-being, and the continuity of education for students. This study aims to measure student resilience based on the level of forest and land fire vulnerability, analyze the influence of socio-economic, physical, environmental, and governance factors, and describe the contribution of schools in building preparedness. A mixed methods approach was used in a complementary manner. A quantitative survey was conducted on 343 students from six public senior high schools in high, medium, and low vulnerability zones. Meanwhile, qualitative data were obtained through semi-structured interviews with school principals from each zone. The research instruments refer to the Disaster Resilience Scale for Individuals (DRSi) and the Disaster Resilience of Place (DROP) Model. Data analysis includes descriptive and inferential statistics as well as thematic analysis. The results show variations in resilience scores at each vulnerability level. Students at the high vulnerability level had a resilience score of 98.55, students at the medium vulnerability level had a resilience score of 96.87, and students at the low vulnerability level had a resilience score of 97.07. Regression tests showed that all four main factors contributed significantly to the formation of resilience ($R^2 = 0.410$), with socio-economic factors as the most dominant predictor ($\beta = 0.368$; $p < 0.001$). Qualitative findings reinforced the quantitative results through narratives of the school's role in strengthening social networks and collaboration with local communities. This study confirms that student resilience is shaped by the interaction between individual characteristics, social support, and institutional practices, so disaster education needs to be designed contextually and sustainably.

Keywords: *disaster resilience, forest and land fires, wildfire vulnerability levels*

DAFTAR ISI

LEMBAR PENGESAHAN	iii
PERNYATAAN BEBAS PLAGIARISME	iv
KATA PENGANTAR.....	v
ABSTRAK	vii
<i>ABSTRACT</i>	viii
DAFTAR ISI	ix
DAFTAR TABEL	xiii
DAFTAR GAMBAR	xiii
DAFTAR LAMPIRAN	xiv
BAB I PENDAHULUAN.....	1
1.1 Latar Belakang Penelitian.....	1
1.2 Rumusan Masalah.....	8
1.3 Tujuan Penelitian.....	8
1.4 Manfaat Penelitian.....	9
1.4.1 Manfaat Teoritis	9
1.4.2 Manfaat Praktis	9
1.5 Ruang Lingkup Penelitian	9
BAB II KAJIAN PUSTAKA	11
2.1 Bencana Kebakaran Hutan dan Lahan.....	11
2.1.1 Pengertian Kebakaran Hutan dan Lahan.....	11
2.1.2 Faktor Penyebab Kebakaran Hutan dan Lahan	12
2.1.3 Tipe Kebakaran Hutan dan Lahan.....	13
2.1.4 Dampak Kebakaran Hutan dan Lahan	15
2.2 Resiliensi Bencana.....	17
2.2.1 Definisi Resiliensi Bencana	17
2.2.2 Teori Resiliensi Bencana.....	18
2.2.3 Indikator Resiliensi Bencana	20
2.2.4 Faktor -Faktor yang Mempengaruhi Resiliensi Bencana.....	23
2.2.5 Resiliensi Bencana Kebakaran Hutan dan Lahan	30
2.2.6 Peran Sekolah Dalam Kesiapsiagaan	32

2.3 Penelitian Terdahulu.....	33
2.4 Kerangka Teoritis	37
2.5 Hipotesis Penelitian	39
BAB III METODE PENELITIAN	42
3.1 Desain Penelitian	42
3.2 Lokasi Penelitian	43
3.3 Populasi dan Sampel.....	45
3.4 Definisi Operasional dan Variabel Penelitian	48
3.4.1 Resiliensi Bencana	48
3.4.2 Faktor yang Mempengaruhi Resiliensi Bencana	50
3.4.3 Peran Sekolah Dalam Membangun Kesiapsiagaan.....	51
3.5 Instrumen Pengumpulan Data	52
3.5.1 Kuesioner	53
3.5.2 Wawancara.....	53
3.6 Uji Instrumen Penelitian.....	54
3.6.1 Uji Validitas	54
3.6.2 Uji Reliabilitas	56
3.7 Teknik Analisis Data	58
3.8 Alur Penelitian.....	59
BAB IV HASIL PENELITIAN	62
4.1 Deskripsi Lokasi Penelitian	62
4.2 Hasil Penelitian.....	63
4.2.1 Hasil Resiliensi Peserta Didik Berdasarkan Tingkat Kerawanan Bencana Karhutla.....	64
4.2.2 Hasil Uji Pengaruh Faktor Sosial-Ekonomi, Lingkungan, Tata Kelola, dan Fisik terhadap Resiliensi	72
4.2.3 Hasil Wawancara Peran Sekolah dan Komunitas dalam Mendukung Kesiapsiagaan serta Resiliensi Peserta Didik	76
4.2.3.1 Hasil Wawancara Kepala SMAN 5 Muaro Jambi (Zona Kerawanan Tinggi)	77
4.2.3.2 Hasil Wawancara Kepala SMAN 3 Muaro Jambi (Zona Kerawanan Sedang)	79
4.2.3.3 Hasil Wawancara Kepala SMAN 8 Muaro Jambi (Zona Kerawanan Rendah).....	81

BAB V PEMBAHASAN	85
5.1 Resiliensi Bencana Kebakaran Hutan dan Lahan Pada Peserta Didik	85
5.1.1 Resiliensi Bencana Kebakaran Hutan dan Lahan Pada Peserta Didik di Kerawanan Tinggi	85
5.1.2 Resiliensi Bencana Kebakaran Hutan dan Lahan Pada Peserta Didik di Kerawanan Sedang	87
5.1.3 Resiliensi Bencana Kebakaran Hutan dan Lahan Pada Peserta Didik di Kerawanan Rendah.....	89
5.2 Pengaruh Faktor Sosial-Ekonomi, Lingkungan, Tata Kelola, dan Fisik terhadap Resiliensi Peserta Didik.....	91
5.2.1 Faktor Sosial-Ekonomi	91
5.2.2 Faktor Lingkungan	92
5.2.3 Faktor Tata Kelola.....	93
5.2.4 Faktor Fisik	94
5.3 Peran Sekolah dalam Mendukung Kesiapsiagaan Serta Resiliensi Peserta Didik.....	96
5.3.2 Fasilitas Pendukung	97
5.3.3 Peran guru	96
5.3.4 Kolaborasi dengan Lembaga.....	99
5.3.5 Dukungan Sosial	100
5.3.6 Strategi Pemulihan Pasca Bencana	101
5.4 Kekuatan dan Kelemahan Penelitian	105
5.4.1 Kekuatan Penelitian	105
5.4.2 Kelemahan Penelitian.....	106
BAB VI SIMPULAN DAN SARAN	108
6.1 Simpulan.....	108
6.2 Saran	109
6.3 Implikasi	110
6.4 Rekomendasi	111
DAFTAR PUSTAKA.....	112

DAFTAR TABEL

Tabel 1.1 Rekapitulasi Luas Karhutla di Provinsi Jambi Tahun 2019-2024	2
Tabel 1.2 Rekapitulasi Luas Karhutla (Ha) Perwilayah Tahun 2019-2024.....	3
Tabel 1.3 Titik Api (<i>hotspot</i>) di Kabupaten Muaro Jambi Tahun 2023-2024	4
Tabel 3.1 Populasi Siswa Kelas XI di SMAN se-Kabupaten Muaro Jambi	46
Tabel 3.2 Perhitungan Sampel Berdasarkan Kerawanan Karhutla	47
Tabel 3.3 Variabel Resiliensi Bencana	49
Tabel 3.4 Variabel Faktor yang Mempengaruhi Resiliensi Bencana	50
Tabel 3.5 Variabel Peran Sekolah dalam Kesiapsiagaan Peserta Didik	52
Tabel 3.6 Uji Validitas Instrumen Penelitian.....	55
Tabel 3.7 Uji Reliabilitas Instrumen Penelitian	57
Tabel 4.1 Data Sekolah Lokasi Penelitian.....	63
Tabel 4.2 Ilustrasi Data Hasil Kuisisioner Resiliensi	64
Tabel 4.3 Statistik Deskriptif Resiliensi Peserta Didik Berdasarkan Tingkat Kerawanan Karhutla	65
Tabel 4.4 Statistik Deskriptif Resiliensi Peserta Didik pada Tingkat Kerawanan Tinggi.....	67
Tabel 4.5 Statistik Deskriptif Resiliensi Peserta Didik pada Tingkat Kerawanan Sedang.....	68
Tabel 4.6 Statistik Deskriptif Resiliensi Peserta Didik pada Tingkat Kerawanan Rendah.....	70
Tabel 4.7 <i>Model Summary</i>	73
Tabel 4.8 Hasil Uji ANOVA Regresi Linear	74
Tabel 4.9 Koefisien Regresi Linear Berganda	75
Tabel 4.10 Perbandingan Hasil Wawancara antar Tingkat Kerawanan.....	84

DAFTAR GAMBAR

Gambar 2.1 <i>DROP Model</i>	19
Gambar 2.2 Kerangka Teoritis	39
Gambar 3.1 Lokasi Penelitian	43
Gambar 3.2 Alur Penelitian	60
Gambar 4.2 Distribusi Skor Indikator Resiliensi Berdasarkan Tingkat - Kerawanan.....	70
Gambar 4.3 Ilustrasi Data Skor Resiliensi Peserta Didik dan 4 Faktor Resiliensi pada <i>software</i> SPSS.....	71

DAFTAR LAMPIRAN

Lampiran 1. Surat Izin Penelitian.....	123
Lampiran 2. Surat Keterangan Telah Melaksanakan Penelitian.....	131
Lampiran 3. Instrumen Penelitian Kuisisioner.....	136
Lampiran 4. Instrumen Penelitian Pedoman Wawancara.....	142
Lampiran 5. Hasil Uji Validitas Instrumen Penelitian.....	143
Lampiran 6. Hasil Uji Reliabilitas Instrumen Penelitian.....	144
Lampiran 7. Data Kuisisioner Resiliensi 343 Responden.....	145
Lampiran 8. Transkrip Wawancara Kepala Sekolah.....	161
Lampiran 9. Uji Statistik Deskriptif Instrumen Kuisisioner dengan SPSS 27.....	169
Lampiran 10. Uji Regresi Linear Berganda dengan SPSS 27.....	170
Lampiran 11. Dokumentasi Penelitian.....	171

DAFTAR PUSTAKA

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