

2. JGE-GEOTHERMAL POTENTIAL Grammar-Check

by Rahmat Catur Wibowo

General metrics

19,9812,7characterswor	50 19 rds ser	4 ntences	11 min 0 sec reading time	21 min 9 sec speaking time
Score		Writing lss	ues	
57		238 Issues left	<mark>169</mark> Critical	<mark>69</mark> Advanced
This text scores bette of all texts checked b	er than 57% by Grammarly			

Plagiarism

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Writing Issues

203	Correctness	
63	Misspelled words	
4	Incomplete sentences	•
38	Determiner use (a/an/the/this, etc.)	
17	Wrong or missing prepositions	
14	Comma misuse within clauses	-
10	Punctuation in compound/complex	-
	sentences	
10	Incorrect verb forms	-
2	Text inconsistencies	•
9	Incorrect noun number	-
10	Faulty subject-verb agreement	-
2	Confused words	•
13	Unknown words	_
3	Misuse of modifiers	•
1	Pronoun use	•
4	Misplaced words or phrases	•
2	Improper formatting	•
1	Mixed dialects of english	•
29	Clarity	
8	Wordy sentences	-
6	Passive voice misuse	•
6	Hard-to-read text	•
9	Unclear sentences	-



Engagement

4	Word choice	•
1	Monotonous sentences	•
1	Delivery	
1	Tone issues	•
Uniq	ue Words	22%
Measu percer docum	ares vocabulary diversity by calculating the ntage of words used only once in your nent	unique words
Rare	Words	28%
Measu that ar words.	ares depth of vocabulary by identifying words re not among the 5,000 most common English	rare words
Word	d Length	4.5
Measu	ires average word length	characters per word
Sent	ence Length	14.2

Measures average sentence length

words per sentence



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JGE (Jurnal Geofisika Eksplorasi) XX (XXXX) XXXXXX Author et al 12 11 JGE (Jurnal Geofisika Eksplorasi) Vol. xx No. xx, xxxxxx xxx (xxx-xxx) https://doi.org/XXXX/XXXX

1

GEOTHERMAL POTENTIAL ON SUMATRA FAULT SYSTEM TO SUSTAINABLE GEOTOURISM IN WEST SUMATRA POTENSI PANAS BUMI PADA SISTEM SESAR SUMATRA UNTUK GEOWISATA BERKELANJUTAN DI SUMATRA BARAT

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Abstrak. Pulau Sumatra merupakan pulau yang dilalui oleh jalur gunung api aktif pada Perbukitan Barisan yang berkaitan dengan keberadaan sistem sesar aktif Sumatra dan manifestasi panas bumi. Berhubungan dengan hal tersebut, terdapatnya potensi manifestasi panas bumi di Cubadak, Talu, Bonjol, dan Rimbo Panti, Kabupaten Pasaman dan Kabupaten Pasaman Barat, Provinsi Sumatra Barat sebagai petunjuk adanya sistem panas bumi yang terkoneksi dengan Sistem Sesar Sumatra dari Segmen Sianok dan Kompleks Gunung Api Talamau. Dengan tatanan geologi yang demikian, menjadi suatu hal yang sangat baik dijadikan sebagai tempat wisata alam kebumian yang berbasis geowisata berkelanjutan. Geowisata berkelanjutan menjadi suatu hal penting dalam peranan geowisata pembangunan berkelanjutan dari pemanfaatan secara langsung energi panas bumi. Tujuan dari studi ini diharapkan dapat menyediakan geowisata berkelanjutan dari potensi panas bumi di sistem sesar, dengan mempertimbangkan aspek geowisata desa, ekowisata, ekobudaya, dan eduwisata. Metodologi yang digunakan pada penelitian ini, yaitu mengumpulkan data manifestasi panas bumi dari peta geologi regional dan

observasi lapangan di daerah manifestasi panas bumi dengan mempertimbangkan geowisata berkelanjutan, selanjutnya dilakukan pembuatan model sederhana dari geowisata berkelanjutan. Hasil dari penelitian menunjukkan beberapa lokasi manifestasi panasbumi yang potensial untuk dijadikan geowisata berkelanjutan yang berasosiasi dengan Sistem Sesar Sumatra dan Kompleks Gunung Api Talamau.

Abstract. Sumatra Island is an island that is traversed of active ring of fire of Barisan Range which is related to the active Sumatra fault system and geothermal manifestations. It is associated to geothermal manifestations in Cubadak, Talu, Bonjol, and Rimbo Panti, Pasaman Regency and West Pasaman Regency, West Sumatra Province as an indication of a geothermal system connected to the Sumatra Fault System from the Sianok Segment and the Talamau Volcano Complex. Sustainable geotourism become a significant for sustainable development of geotourism the utilization geothermal energy direct use. The purpose of this study is to provide sustainable geotourism from geothermal potential in the fault system, taking into account aspects of village geotourism, ecotourism, ecoculture, and edutourism. The methodology used in this study is to collect data on geothermal manifestations from regional geological maps and field observations in geothermal manifestation areas by considering sustainable geotourism, then a simple model of sustainable geotourism is made. The results of the study indicate several locations of 26 potential geothermal manifestations to be used as sustainable geotourism associated with the Sumatra Fault System and the Talamau Volcano Complex.



INTRODUCTION

A large part of Indonesia archipelago consists of islands and related to active volcano of Pasific ring of fire, including Sumatra of active continental margin, Hochstein and Sudarman (2015); Farsani et.al. ³²(2012; 2011); Entezari and Aghaeipour (2014). These have numereous implication for the existence of energy resources potential in Sumatra, particulary geothermal potential manifestation, Hochstein and Sudarman (2017); Antic and Tomic (2017). Geothermal features manifestation on Cubadak, Talu, Bonjol, and Rimbo Panti, Pasaman Regency and West Pasaman Regency, West Sumatra, Indonesia are indication to geothermal system the connected to Sumatra Fault System (SFS)³⁸ and Talamau Volcanic Complex (TVC)³⁸, Sardjam et.al. ³⁹(2010), Hermawan and Rezky (2010), and Hochstein and Sudarman (2017) (Figure 1). It is significant for study the utilization direct and direct use.

Geothermal energy potential is not only used for electricity, greenhouse, but well to direct used geothermal energy as geotourism potential. Geothermal features on Cubadak, Bonjol, Rimbo Panti the associated to Sumatra Fault System to become interesting for the sustainable geotourism on geothermal potential. Geotourism on geothermal energy is a natural tourism the utilize to resource geothermal features potential and ⁵⁰ linkage to geothermal landscape, lithology, structural geology, and hystorical geology. Geothermal geotourism implicate ⁵³ the study of active ⁵⁴ volcano, geothermal landscape, and structural geology, Cooper (2010); Prasetya et. Al. ⁵⁵ (2017); Suhascaryo et.al. ⁶⁰ (2017). Sumatra Fault System is active ⁵⁷ structure the associated to geothermal manifestation and volcanic of Barisan Range, Muraoka, et.al. ⁶¹ (2010), Hall and Spakman (2015), and Hall (2011, 2012, 2013). SFS have formed Neogene of counterbalance the collision India Continental to Asia Continental and ⁶² active continued to Quartenary volcanism. Sianok Segment and Barumun Segment are fault system the appear of geothermal features manifestation potential on Rimbo Panti and Bonjol, where TVC part of western of SFS.³⁸ Sustainable geotourism become a significant for sustainable development of geotourism.⁶⁹ The organize geothermal geotourism will be aid to geothermal manifestation become edu geotourism of geothermal potential, Chen et.al.⁷⁵ (2015) and Moufti and Nemeth (2016). The purpose study is expected of provide significant geotourism sustainable of geothermal potential on fault system, certainly regard several aspect, consist of geotourism village, ecotourism,¹⁹

Sumatra is a part of Sundaland with numerous experienced tectonic, it is consist of Pre-Tertiery tectonic processes the early with collision of East Sumatra to East Malaya Terrane on Mid-Permian, then transtitional system of East Sumatra Terrane to West Sumatra Terrane during Late Permian-Triassic, and terminated to obduction Woyla Arc to West Sumatra Terrane during Jurassic-Cretaceous, Metcalfe (2017; 2013; 2011), Zahirovic et.al. (2016; 2014). Pre-Tertiery tectonic is composed stratigraphy and structural geology in Sundaland. The priliminery Paleogene tectonic is Sumatra clockwise rotation which is formed of magmatic arc, volcanic arc, and volcanic sedimentary on Barisan Range and continued Neogen tectonic counterclokwise as response of collision India to Asia, it is consequence sedimentation back arc basin, volcanic arc, and active Sumatra Fault System, Hutchison (2014; 2010), Advokaat (2018), Carey (1955). Qaurtenary tectonic is related to active volcano and geothermal features manifestation.

Physiography zone in Sumatra divided of 1) Barisan Range the related to geothermal and volcanic, 2) Sumatra Fault System the associated to volcanic



and geothermal, 3) Tigapuluh Hills, 4) Sunda Shelf, 5) Low Hills and Wavy Plain, 6) Outer Arc, Utama et.al. ¹⁰⁵ (2021). Geothermal features manifestation the related to Sumatra Fault System (Figure 2).

RESEARCH METHODS

This paper explains about geothermal potential on ¹⁰⁷ Sumatra Fault System to ¹⁰⁸ sustainable geotourism. The early study is indirectly geological mapping through regional geological map with 1:250.000 scale map, then recognize to geothermal manifestation and fault system the supported digital elevation model of overlapping to regional geological map, and then the accompanied geological analysis of geothermal manifestation for understanding characteristic geothermal features potential manifestation, what is associated to volcanic hydrothermal or volcano-tectonic. ¹¹³ It is purpose to sustainability of geothermal potential to ¹¹⁷ geotourism. Sustainability consist of geotourism ¹⁹ village, ecotourism, ecocultural, and edutourism.

Geological surface collecting data only geothermal manifestation potential from geological ¹²¹ investigation, several location ¹²² such as Bonjol, Cubadak, Talu, and Rimbo Panti on Pasaman Regency, West Sumatra. Geological and tourism analysis of geothermal potential ¹²⁴ to comprehend of characteristic ^{125,126} geotourism village, ecotourism, ecocultural, and edutourism. The finally integration to these data geological mapping with determination of geothermal manifestation potential to sustainable geotourism ¹³¹ ¹³² geotourism.¹³²

RESULTS AND DISCUSSION

Result

Geothermal potential in Bonjol, Cubadak, Talu, and Rimbo Panti on Pasaman Regency, West Sumatra have numerous geothermal manifestation become to geotourism sutainablity, such as hot spring, hot pool, mud pool, steaming ground, and hydrothermal alteration rock. Below, the category geothermal geotourism ¹³⁷ in West Pasaman Regency and Pasaman Regency, West Sumatra. Rimbo Panti Geotourism

Geothermal features manifestation consisist of hot pool, mud pool, hot spring, hydrothermal alteration rock. This location have made tourism, but not yet signboard as guidance for understanding about appear geothermal features, so that significantly for tourism object become to geotourism ¹⁴¹ sustainability with aspect education tourism with signboard about geothermal features manifestation (Figure 3). ¹⁴² Geothermal features manifestion ¹⁴³ System, between of Barumun Segment and Sianok Segment. The existence geothermal ¹⁴⁴ manifestation on Miosen hydrothermal alteration andesitic lava. Bonjol Geotourism

Geothermal appear manifestation divided to hot pool, hot spring, hydrothermal alteration rock, and stream to Bonjol River of irrigation (Figure 4). The existence geothermal manifestation on Sianok Fault Segment. Detachment of bedrock as a proof the linkage geothermal feature manifestation to Sumatra Fault System. Public facilities such as masque and gazebo can use tourism, but have not signboard about education geothermal manifestation. Manifestation appear of Quarternary volcanic product and Miosen lava.

Cubadak Geotourism

Geothermal manifestation composed of warm stream, hot spring, hydrothermal alteration rock, hot pool. ¹⁵³ This location is northern part of TVC ³⁸ and western part of SFS. The relevance for sustainable geotourism, so that signboard for lesson ¹⁵ to tourism in destination ¹⁵⁸ there, and so that require ¹⁵⁹ signboard about hystorical ¹⁶⁰ geology of existence geothermal features manifestation (Figure 5). Manifestation appear ¹⁶¹ Miocene Volcanic Product such as andesitic lava and volcanic breccia.



Talu Geotourism

Geothermal manifestation consist of mud pool, hot spring, warm stream, hydrothermal alteration rock. This geothermal manifestation is northern part of TVC, western part of SFS and near to Cubadak Geothermal manifestation (Figure 6). Holocene volcanic product and Miosen andesitic lava product is consist of lithogy on geothermal manifestation. This location absolutely not 171 172 173 174 have signboard to lesson about geothermal manifestation for tourism destination.

Discussion

Geothermal manifestation related to <u>SFS</u> of Sianok Segment and Barumun Segment and the associated to <u>TVC</u>.³⁸ Appear of geothermal manifestation on the Rimbo Panti, Bonjol, Cubadak, and Talu are refer to volcanic-tectonic ¹⁷⁵ (Figure 7). Geothermal manifestation is stratigraphy composed of Miosen andesitic lava and volcanic breccia (Tmv)³⁶ and Quartenary Holocene volcanic (Qh and Qvgn).¹⁷⁷ Geological setting ¹⁷⁸ the geotourism ¹⁷⁹ in these area ¹⁸⁰ have hystorical geology involve Quartenary volcanic activity of volcanic dormant type B of <u>TVC</u> ³⁸ (See Figure 2) as heat ¹⁸³ source of geothermal ¹⁸⁴ system, whereas SFS as permebility ¹⁸⁶ zone of fracture system the channelway ¹⁸⁷ fluid geothermal the appear to surface as geothermal features manifestation.

Sustainable geotourism of geothermal manifestation is require local culture including eco-tourism and eco culture which is care to local people and surrounding, environment conservation, traditional culture, with priority to entrepreneur and business. ¹⁹³ For applied the eco-tourism, eco culture, and geotourism village is require signboard with completely lesson about geothermal features manifestation, hystorical geology related to geothermal landscape, and structural geology as channelway of exposure/appear geothermal manifestation (Figure 8).²⁰¹ Conseptual model of geotourism is perspective model of geotourism on Rimbo Panti, Bonjol, Cubadak, Talu, of Pasaman Regency and West Pasaman Regency, West Sumatra. It is to examine of geotourism village, ecotourism, ecocultural, and edutourism. It is including of sustainable geotourism. Therefore to recommendation of guidance of geotourism on geothermal potential ²⁰⁵ Sumatra.

CONCLUSION

Geothermal manifestation on Rimbo Panti, Bonjol, Cubadak, and Talu, Pasaman Regency and West Pasaman Regency, West Sumatra consist of hot spring, mud pool, warm pool, hydrothermal rock alteration. Several location of geothermal manifestation have made natural tourism. Therefore need to examine of geotourism village, ecotourism, ecoculture, and edutourism. Geothermal potential on Sumatra Fault System of Sianok segment is significantly sustainable geotourism, ecoculture, and edutourism on Rimbo Panti, Bonjol, Cubadak, and Talu is very completely for sustainable geotourism based on local culture and lesson hystorical geology of signboard. ACKNOWLEDGMENT

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1.	geotourism → tourism	Misspelled words	Correctness
2.	Geothermal potential; Sumatra fault system; sustainable geotourism.	Incomplete sentences	Correctness
3.	that is	Wordy sentences	Clarity
4.	is traversed	Passive voice misuse	Clarity
5.	an active, or the active	Determiner use (a/an/the/this, etc.)	Correctness
6.	is associated	Passive voice misuse	Clarity
7.	to → with	Wrong or missing prepositions	Correctness
8.	, and	Comma misuse within clauses	Correctness
9.	, as	Punctuation in compound/complex sentences	Correctness
10.	geotourism → tourism	Misspelled words	Correctness
11.	has become	Incorrect verb forms	Correctness
12.	a significant → an important, an effective	Word choice	Engagement
13.	a significant	Determiner use (a/an/the/this, etc.)	Correctness
14.	geotourism → tourism	Misspelled words	Correctness
15.	, the	Punctuation in compound/complex sentences	Correctness
16.	of geothermal	Wrong or missing prepositions	Correctness
17.	geotourism → tourism	Misspelled words	Correctness

18.	geotourism → tourism	Misspelled words	Correctness
19.	ecotourism; eco-tourism	Text inconsistencies	Correctness
20.	edutourism → ecotourism	Misspelled words	Correctness
21.	geotourism → tourism	Misspelled words	Correctness
22.	, then a → . A	Hard-to-read text	Clarity
23.	geotourism → tourism	Misspelled words	Correctness
24.	study results	Wordy sentences	Clarity
25.	be used	Passive voice misuse	Clarity
26.	geotourism → tourism	Misspelled words	Correctness
27.	<mark>Indonesia</mark> → Indonesia's	Incorrect noun number	Correctness
28.	is related	Incorrect verb forms	Correctness
29.	the active	Determiner use (a/an/the/this, etc.)	Correctness
30.	Pasific → Pacific	Misspelled words	Correctness
31.	the active	Determiner use (a/an/the/this, etc.)	Correctness
32.	ot.al. → et al.	Comma misuse within clauses	Correctness
33.	numereous → numerous	Misspelled words	Correctness
34.	implication → implications	Incorrect noun number	Correctness
35.	resources → resource	Incorrect noun number	Correctness
36.	particulary → particularly	Misspelled words	Correctness
37.	an indication	Determiner use	Correctness

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		(a/an/the/this, etc.)	
38.	SFS; TVC; SWT; Y.C.Y.; SE; IOP; OIP	Text inconsistencies	Correctness
39.	et.al. → et al.	Comma misuse within clauses	Correctness
40.	of direct	Wrong or missing prepositions	Correctness
41.	greenhouse,	Comma misuse within clauses	Correctness
42.	geotourism → tourism	Misspelled words	Correctness
43.	Geothermal energy potential is not only used for electricity, greenhouse, but well to direct used geothermal energy as geotourism potential.	Unclear sentences	Clarity
44.	to → with	Wrong or missing prepositions	Correctness
45.	geotourism → tourism	Misspelled words	Correctness
46.	Geothermal features on Cubadak, Bonjol, Rimbo Panti the associated to Sumatra Fault System to become interesting for the sustainable geotourism on geothermal potential.	Incomplete sentences	Correctness
47.	Geothermal features on Cubadak, Bonjol, Rimbo Panti the associated to Sumatra Fault System to become interesting for the sustainable geotourism on geothermal potential.	Unclear sentences	Clarity
48.	the utilize → utilized	Wordy sentences	Clarity
49.	utilize → utilizes	Faulty subject-verb agreement	Correctness
50.	, and	Punctuation in compound/complex sentences	Correctness

51.	hystorical → historical	Misspelled words	Correctness
52.	geotourism → tourism	Misspelled words	Correctness
53.	implicate → implicates	Faulty subject-verb agreement	Correctness
54.	an active, or the active	Determiner use (a/an/the/this, etc.)	Correctness
55.	ct. Al. → et al.	Comma misuse within clauses	Correctness
56.	ct.al. → et al.	Comma misuse within clauses	Correctness
57.	an active	Determiner use (a/an/the/this, etc.)	Correctness
58.	the associated	Determiner use (a/an/the/this, etc.)	Correctness
59.	to → with	Wrong or missing prepositions	Correctness
60.	Muraoka,	Punctuation in compound/complex sentences	Correctness
61.	et.al. → et al.	Comma misuse within clauses	Correctness
62.	, and	Punctuation in compound/complex sentences	Correctness
63.	active → activity	Confused words	Correctness
64.	Quartenary → Quarternary	Misspelled words	Correctness
65.	geotourism → tourism	Misspelled words	Correctness
66.	has become	Incorrect verb forms	Correctness

67.	-a significant	Determiner use (a/an/the/this, etc.)	Correctness
68.	the sustainable	Determiner use (a/an/the/this, etc.)	Correctness
69.	geotourism → tourism	Misspelled words	Correctness
70.	geotourism → tourism	Misspelled words	Correctness
71.	an aid	Determiner use (a/an/the/this, etc.)	Correctness
72.	be aid to → aid	Wordy sentences	Clarity
73.	odu → Edu	Misspelled words	Correctness
74.	geotourism → tourism	Misspelled words	Correctness
75.	ct.al. → et al.	Comma misuse within clauses	Correctness
76.	is expected	Passive voice misuse	Clarity
77.	<mark>ef</mark> → to	Wrong or missing prepositions	Correctness
77. 78.	of → to provide → providing	Wrong or missing prepositions Incorrect verb forms	Correctness Correctness
77. 78. 79.	ef → to provide → providing geotourism → tourism	Wrong or missing prepositions Incorrect verb forms Misspelled words	Correctness Correctness Correctness
77. 78. 79. 80.	of → to provide → providing geotourism → tourism a fault	Wrong or missing prepositions Incorrect verb forms Misspelled words Determiner use (a/an/the/this, etc.)	Correctness Correctness Correctness Correctness
 77. 78. 79. 80. 81. 	ef → to provide → providing geotourism → tourism a fault certainly → indeed	Wrong or missing prepositionsIncorrect verb formsMisspelled wordsDeterminer use (a/an/the/this, etc.)Word choice	Correctness Correctness Correctness Correctness Engagement
 77. 78. 79. 80. 81. 82. 	of → to provide → providing geotourism → tourism a fault cortainly → indeed aspect → aspects	Wrong or missing prepositionsIncorrect verb formsMisspelled wordsDeterminer use (a/an/the/this, etc.)Word choiceIncorrect noun number	Correctness Correctness Correctness Correctness Engagement Correctness
 77. 78. 79. 80. 81. 82. 83. 	of → toprovide → providinggeotourism → tourisma faultcortainly → indeedaspect → aspectsgeotourism	Wrong or missing prepositionsIncorrect verb formsMisspelled wordsDeterminer use (a/an/the/this, etc.)Word choiceIncorrect noun numberUnknown words	Correctness Correctness Correctness Correctness Engagement Correctness Correctness
 77. 78. 79. 80. 81. 82. 83. 84. 	of → toprovide → providinggeotourism → tourisma faultcertainly → indeedaspoot → aspectsgeotourismedugeotourism → edge tourism	Wrong or missing prepositionsIncorrect verb formsMisspelled wordsDeterminer use (a/an/the/this, etc.)Word choiceIncorrect noun numberUnknown wordsMisspelled words	Correctness Correctness Correctness Correctness Engagement Correctness Correctness Correctness



		clauses	
86.	The purpose study is expected of provide significant geotourism sustainable of geothermal potential on fault system, certainly regard several aspect, consist of geotourism village, ecotourism, ecocultural, and edugeotourism, Utami et.al. (2013) and Utama (2015).	Unclear sentences	Clarity
87.	, it → ; it, , and it, . It	Punctuation in compound/complex sentences	Correctness
88.	Tertiery → Tertiary	Misspelled words	Correctness
89.	the collision, or a collision	Determiner use (a/an/the/this, etc.)	Correctness
90.	. Transtitional	Hard-to-read text	Clarity
91.	transtitional → transitional	Misspelled words	Correctness
92.	et.al. → et al.	Comma misuse within clauses	Correctness
93.	Tertiery → Tertiary	Misspelled words	Correctness
94.	of stratigraphy	Wrong or missing prepositions	Correctness
95.	<mark>priliminery</mark> → preliminary	Misspelled words	Correctness
96.	counterclockwise	Misspelled words	Correctness
97.	the response, or a response	Determiner use (a/an/the/this, etc.)	Correctness
98.	, it → ; it, , and it, . It	Punctuation in compound/complex sentences	Correctness
99.	back arc → back-arc	Misspelled words	Correctness
100.	The priliminery Paleogene tectonic is	Hard-to-read text	Clarity

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Sumatra clockwise rotation which is formed of magmatic arc, volcanic arc, and volcanic sedimentary on Barisan Range and continued Neogen tectonic counterclokwise as response of collision India to Asia, it is consequence sedimentation back arc basin, volcanic ar...

101.	Qaurtenary → Quaternary	Misspelled words	Correctness
102.	an active	Determiner use (a/an/the/this, etc.)	Correctness
103.	The physiography	Determiner use (a/an/the/this, etc.)	Correctness
104.	<mark>of</mark> → into	Wrong or missing prepositions	Correctness
105.	ct.al. → et al.	Comma misuse within clauses	Correctness
106.	the geothermal	Determiner use (a/an/the/this, etc.)	Correctness
107.	<mark>on</mark> → of	Wrong or missing prepositions	Correctness
108.	to → for	Wrong or missing prepositions	Correctness
109.	geotourism	Unknown words	Correctness
110.	the regional, or a regional	Determiner use (a/an/the/this, etc.)	Correctness
111.	accompanied → accompanying	Misuse of modifiers	Correctness
112.	is associated	Passive voice misuse	Clarity
113.	The early study is indirectly geological mapping through regional geological map with 1:250.000 scale map, then recognize to geothermal manifestation and fault system the supported digital elevation model of overlapping to regional	Hard-to-read text	Clarity



geological map, and then the accompanied geological analysis of geo...

114.	<mark>\</mark> # → Its	Pronoun use	Correctness
115.	is purpose → purpose is	Misplaced words or phrases	Correctness
116.	the sustainability	Determiner use (a/an/the/this, etc.)	Correctness
117.	potential to → potential to	Improper formatting	Correctness
118.	geotourism	Unknown words	Correctness
119.	geotourism	Unknown words	Correctness
120.	edutourism → ecotourism	Misspelled words	Correctness
121.	the geological	Determiner use (a/an/the/this, etc.)	Correctness
122.	locations → locations	Incorrect noun number	Correctness
123.	the geothermal	Determiner use (a/an/the/this, etc.)	Correctness
124.	potential geothermal	Misplaced words or phrases	Correctness
125.	comprehends characteristics	Wordy sentences	Clarity
126.	the characteristic, or a characteristic	Determiner use (a/an/the/this, etc.)	Correctness
127.	geotourism	Unknown words	Correctness
128.	edutourism → ecotourism	Misspelled words	Correctness
129.	finally → final	Misuse of modifiers	Correctness
130.	the determination, or a determination	Determiner use (a/an/the/this, etc.)	Correctness



131.	geotourism → tourism	Misspelled words	Correctness
132.	geotourism → tourism	Misspelled words	Correctness
133.	manifestation → manifestations	Incorrect noun number	Correctness
134.	geotourism → tourism	Misspelled words	Correctness
135.	sutainablity → sustainability	Misspelled words	Correctness
136.	of geothermal	Wrong or missing prepositions	Correctness
137.	geotourism	Unknown words	Correctness
138.	consisist → consist, consists	Misspelled words	Correctness
139.	the hot	Determiner use (a/an/the/this, etc.)	Correctness
140.	<mark>have</mark> → has	Faulty subject-verb agreement	Correctness
		5	
141.	geotourism → tourism	Misspelled words	Correctness
141.	geotourism → tourism This location have made tourism, but not yet signboard as guidance for understanding about appear geothermal features, so that significantly for tourism object become to geotourism sustainability with aspect education tourism with signboard about geothermal features manifestation (Figure 3).	Misspelled words Unclear sentences	Correctness
141. 142. 143.	geotourism → tourism This location have made tourism, but not yet signboard as guidance for understanding about appear geothermal features, so that significantly for tourism object become to geotourism sustainability with aspect education tourism with signboard about geothermal features manifestation (Figure 3). manifection → manifestation	Misspelled words Unclear sentences Misspelled words	Correctness Clarity Correctness
141. 142. 143. 144.	geotourism → tourism This location have made tourism, but not yet signboard as guidance for understanding about appear geothermal features, so that significantly for tourism object become to geotourism sustainability with aspect education tourism with signboard about geothermal features manifestation (Figure 3). manifection → manifestation of geothermal →	Misspelled words Unclear sentences Misspelled words Misspelled words Wrong or missing prepositions	Correctness Clarity Correctness Correctness
 141. 142. 143. 144. 145. 	geotourism → tourism This location have made tourism, but not yet signboard as guidance for understanding about appear geothermal features, so that significantly for tourism object become to geotourism sustainability with aspect education tourism with signboard about geothermal features manifestation (Figure 3). manifection → manifestation of geothermal the hot	Misspelled words Unclear sentences Misspelled words Misspelled words Wrong or missing prepositions Determiner use (a/an/the/this, etc.)	Correctness Clarity Correctness Correctness Correctness
 141. 142. 143. 144. 145. 146. 	geotourism → tourism This location have made tourism, but not yet signboard as guidance for understanding about appear geothermal features, so that significantly for tourism object become to geotourism sustainability with aspect education tourism with signboard about geothermal features manifestation (Figure 3). manifection → manifestation of geothermal the hot	Misspelled words Unclear sentences Misspelled words Misspelled words Wrong or missing prepositions Determiner use (a/an/the/this, etc.) Wrong or missing prepositions	Correctness Clarity Correctness Correctness Correctness



		(a/an/the/this, etc.)	
148.	of the	Wrong or missing prepositions	Correctness
149.	masque → masques	Incorrect noun number	Correctness
150.	tourism,	Comma misuse within clauses	Correctness
151.	appear → appears	Faulty subject-verb agreement	Correctness
152.	is composed	Incorrect verb forms	Correctness
153.	Geothermal manifestation composed of warm stream, hot spring, hydrothermal alteration rock, hot pool.	Incomplete sentences	Correctness
154.	the northern	Determiner use (a/an/the/this, etc.)	Correctness
155.	the western	Determiner use (a/an/the/this, etc.)	Correctness
156.	geotourism → tourism	Misspelled words	Correctness
157.	the lesson, or a lesson	Determiner use (a/an/the/this, etc.)	Correctness
158.	the destination, or a destination	Determiner use (a/an/the/this, etc.)	Correctness
159.	and so that require → requires	Wordy sentences	Clarity
160.	hystorical → historical	Misspelled words	Correctness
161.	appear → appears	Faulty subject-verb agreement	Correctness
162.	consist → consists	Faulty subject-verb agreement	Correctness



163.	the northern	Determiner use (a/an/the/this, etc.)	Correctness
164.	the western	Determiner use (a/an/the/this, etc.)	Correctness
165.	, and	Comma misuse within clauses	Correctness
166.	to	Wrong or missing prepositions	Correctness
167.	This geothermal manifestation is northern part of TVC, western part of SFS and near to Cubadak Geothermal manifestation (Figure 6).	Unclear sentences	Clarity
168.	consist → consists	Faulty subject-verb agreement	Correctness
169.	<mark>lithogy</mark> → lithology, liturgy	Misspelled words	Correctness
170.	Geothermal manifestation consist of mud pool, hot spring, warm stream, hydrothermal alteration rock. This geothermal manifestation is northern part of TVC, western part of SFS and near to Cubadak Geothermal manifestation (Figure 6). Holocene volcanic product and Miosen andesitic lava product is con	Monotonous sentences	Engagement
171.	absolutely	Wordy sentences	Clarity
172.	does not	Incorrect verb forms	Correctness
173.	have → has	Faulty subject-verb agreement	Correctness
174.	a signboard	Determiner use (a/an/the/this, etc.)	Correctness
175.	as volcanic-tectonic	Wrong or missing prepositions	Correctness
176.	Tmv → TMV	Misspelled words	Correctness

177.	Geothermal manifestation is stratigraphy composed of Miosen andesitic lava and volcanic breccia (Tmv) and Quartenary Holocene volcanic (Qh and Qvgn).	Hard-to-read text	Clarity
178.	setting → settings	Incorrect noun number	Correctness
179.	geotourism	Unknown words	Correctness
180.	these area → this area, these areas	Determiner use (a/an/the/this, etc.)	Correctness
181.	<mark>have</mark> → has	Faulty subject-verb agreement	Correctness
182.	hystorical → historical	Misspelled words	Correctness
183.	the heat	Determiner use (a/an/the/this, etc.)	Correctness
184.	a geothermal, or the geothermal	Determiner use (a/an/the/this, etc.)	Correctness
185.	. In contrast, SFS	Hard-to-read text	Clarity
186.	permebility → permeability	Misspelled words	Correctness
187.	channelway → channel way	Misspelled words	Correctness
188.	geotourism → tourism	Misspelled words	Correctness
189.	is require → is required	Incorrect verb forms	Correctness
190.	, including	Punctuation in compound/complex sentences	Correctness
191.	, which	Punctuation in compound/complex sentences	Correctness
192.	is care → is caring	Incorrect verb forms	Correctness

193.	and business → and business	Improper formatting	Correctness
194.	appliod → applying	Incorrect verb forms	Correctness
195.	geotourism → tourism	Misspelled words	Correctness
196.	is require → is required	Incorrect verb forms	Correctness
197.	completely → altogether, ultimately	Word choice	Engagement
198.	completely → complete	Misuse of modifiers	Correctness
199.	hystorical → historical	Misspelled words	Correctness
200.	channelway → channel way	Misspelled words	Correctness
201.	For applied the eco-tourism, eco culture, and geotourism village is require signboard with completely lesson about geothermal features manifestation, hystorical geology related to geothermal landscape, and structural geology as channelway of exposure/appear geothermal manifestation (Figure 8).	Unclear sentences	Clarity
202.	geotourism	Unknown words	Correctness
203.	the recommendation, or a recommendation	Determiner use (a/an/the/this, etc.)	Correctness
204.	geotourism	Unknown words	Correctness
205.	potential geothermal	Misplaced words or phrases	Correctness
206.	location → locations	Incorrect noun number	Correctness
207.	<mark>have</mark> → has	Faulty subject-verb agreement	Correctness
208.	of	Wrong or missing prepositions	Correctness
209.	geotourism → tourism	Misspelled words	Correctness



210.	odutourism → ecotourism	Misspelled words	Correctness
211.	geotourism	Unknown words	Correctness
212.	geotourism	Unknown words	Correctness
213.	eduteurism → ecotourism	Misspelled words	Correctness
214.	Geothermal potential on Sumatra Fault System of Sianok segment is significantly sustainable geotourism with the consider environmental, which is geotourism village, ecotourism, ecoculture, and edutourism.	Unclear sentences	Clarity
215.	completely → entirely, ultimately	Word choice	Engagement
216.	geotourism → tourism	Misspelled words	Correctness
217.	hystorical → historical	Misspelled words	Correctness
218.	Geotourism on Rimbo Panti, Bonjol, Cubadak, and Talu is very completely for sustainable geotourism based on local culture and lesson hystorical geology of signboard.	Unclear sentences	Clarity
219.	a literature	Determiner use (a/an/the/this, etc.)	Correctness
220.	, and	Punctuation in compound/complex sentences	Correctness
221.	been taken	Passive voice misuse	Clarity
222.	The study is literature study and geological field data have been taken from some geothermal locations on Rimbo Panti, Bonjol, Cubadak, and Talu,.	Unclear sentences	Clarity
223.	$\overline{,}$, $,$.	Comma misuse within clauses	Correctness

224.	would like → want	Tone issues	Delivery
225.	would like thank to → thank	Wordy sentences	Clarity
226.	thank to → to thank	Misplaced words or phrases	Correctness
227.	<mark>Advokaat</mark> → Advocaat	Misspelled words	Correctness
228.	Planetery → Planetary	Misspelled words	Correctness
229.	geotourim → ecotourism, geo tourism	Misspelled words	Correctness
230.	geotectonics → geotectonic, tectonics, neotectonics	Misspelled words	Correctness
231.	geoparks	Unknown words	Correctness
232.	geoparks	Unknown words	Correctness
233.	sociocultural → socio-cultural	Confused words	Correctness
234.	palacogeography → paleogeography	Mixed dialects of English	Correctness
235.	contrained → constrained, contained	Misspelled words	Correctness
236.	Harrats → Harrahs	Misspelled words	Correctness
237.	Relathionship → Relationship	Misspelled words	Correctness
238.	The Cretaceous and Cenozoic tectonic evolution of Southeast Asia.	Incomplete sentences	Correctness