

PENJELASAN TEKNIS

Kabupaten Lumajang merupakan salah satu kabupaten yang terletak di propinsi Jawa Timur. Kabupaten ini terletak pada posisi 7° 52' s/d 8° 23' Lintang Selatan dan 112° 50' s/d 113° 22' Bujur Timur. Dengan Luas wilayah 1.790,90 Km² atau 3,74% dari luas Propinsi Jawa Timur.

Secara administratif batas-batas wilayah kabupaten Lumajang adalah sebagai berikut :

- Sebelah Utara : Kabupaten Probolinggo
- Sebelah Timur : Kabupaten Jember
- Sebelah Selatan : Samudra Indonesia
- Sebelah Barat : Kabupaten Malang

Lumajang Regency is one of the regencies in East Java Province. This regency is located in the line connecting the point of 7° 40' until 8° 10' South Latitude and 111° 50' until 113°30' East Latitude. The area of this regency is about 1.696,16 Km² or 3,74% from wide of Province East Java.

Administratively Region boundaries of Lumajang Regency are below :

- *Northside : Probolinggo Regency*
- *Eastside : Jember Regency*
- *Southside : Indonesia Ocean*
- *Westside : Malang Regency*

TECHNICAL NOTES

Secara topografi Kabupaten Lumajang terbagi kedalam 4 daerah yaitu :daerah gunung, pegunungan, dataran fluvial dan dataran alluvial. Untuk kategori yang kedua ranuyoso, tempursari, sekitar gunung semeru, sekitar gunung tengger dan lamongan. Kecamatan yang termasuk kedalam kategori yang ketiga adalah Lumajang, Summersuko dan Sukodono. Untuk kategori yang terakhir yaitu Kecamatan Rowokangkung, Jatiroto, Yosowilangun dan sepanjang pantai mulai dari Yosowilangun sampai dengan Tempursari.

Kabupaten Lumajang terdiri dari dataran yang subur karena diapit oleh tiga gunung berapi yaitu Gunung Semeru (3.676 m), Gunung Bromo (3.292 m) dan Gunung Lamongan.

Topographyly Lumajang Regency divided into 4 region, there are mount area, mountain, fluvial plain and alluvial plain. For second category is covering District Ranuyoso, tempursari, and around of Semeru mountain, around of Tengger mountain and Lamongan mountain. For third category is covering district Lumajang, district Summersuko and district Sukodono. And for the last category is covering district Rowokangkung, district Jatiroto, district Yosowilangun and coast wise start from Yosowilangun up to Tempursari.

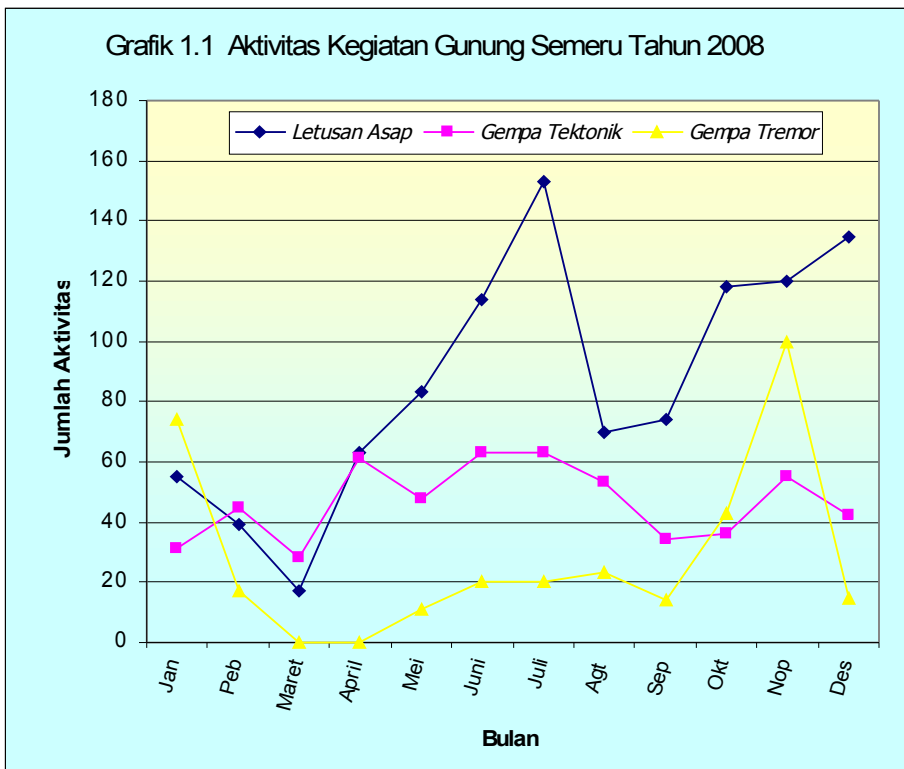
Lumajang regency consist of fertile plain because flanked by three volcanoes that is Mount of Semeru (3.676 m), Mount of Bromo (3.292 m) and Mount of Lamongan.

Untuk kawasan selatan daerahnya sangat subur karena mendapat endapan sedimen dari sungai-sungai yang mengalirnya. Ada beberapa sungai yang mengalir di kawasan tersebut yaitu kali glidik, kali rawan, kali gede, kali regoyo, rejali, besuk sat, kali mujur dan bondoyudo.

Ketinggian daerah kabupaten Lumajang bervariasi dari 0 sampai dengan diatas 2000 m diatas permukaan laut, dengan daerah yang terluas adalah ada ketinggian 100 – 500 m dari permukaan laut (dpl) 63.109,15 ha (35,24%) dan yang tersempit adalah pada ketinggian > 2000 m dari permukaan laut yaitu 6.889,4 ha atau 3,85 % dari luas wilayah Kabupaten Lumajang.

For the area at southside is very fertile because getting sediment from rivers emitting stream there. There are some river emitting a stream of the area that is times that is glidik river, rawan river, Gede river, regoyo river, Rejali river, Besuk sat river, Mujur river and Bondoyudo river.

Height level of area of Lumajang regency vary from 0 up to above 2000 m above sea level, which the wide area is in height 100 - 500 m of sea level 63.109,15 ha (35,24%) and the narrowed is at height > 2000 m of sea level that is 6.889,4 ha or 3,85 % from wide of region of Lumajang regency.



Tabel Table 1.1.1
Jarak Antar Kecamatan di Kabupaten Lumajang (Km)
Inter Districts Distances of Lumajang Regency (Km)



Tabel / Table. 1.1.2
Luas Wilayah Berdasarkan Kedalaman Efektif (Hektar)
Area of Districts by Effective Depth of Land (Ha)
2008

| Kecamatan <i>District</i> | >90 cm | 60-90 cm | 30-60 cm | < 30 cm | Jumlah <i>Total</i> |
|------------------------------|-------------------|------------------|-----------------|-----------------|------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) |
| 010 Tempursari | 5,921.24 | 2,228.67 | 2,235.42 | 149.67 | 10,535.00 |
| 020 Pronojiwo | 10,825.95 | 2,390.87 | 230.55 | 701.63 | 14,149.00 |
| 030 Candipuro | 11,994.55 | 1,892.81 | 281.01 | 141.03 | 14,309.40 |
| 040 Pasirian | 12,500.62 | 220.46 | 0 | 117.92 | 12,839.00 |
| 050 Tempeh | 7,321.00 | 0 | 0 | 0 | 7,321.00 |
| 060 Lumajang | 2,847.15 | 0 | 0 | 0 | 2,847.15 |
| 061 Sumbersuko | 2,907.35 | 0 | 0 | 0 | 2,907.35 |
| 070 Tekung | 2,788.00 | 0 | 0 | 0 | 2,788.00 |
| 080 Kunir | 5,330.00 | 0 | 0 | 0 | 5,330.00 |
| 090 Yosowilangun | 7,244.00 | 0 | 0 | 0 | 7,244.00 |
| 100 Rowokangkung | 5,888.00 | 0 | 0 | 0 | 5,888.00 |
| 110 Jatiroto | 5,369.00 | 0 | 0 | 0 | 5,369.00 |
| 120 Randuagung | 9,392.25 | 0 | 0 | 0 | 9,392.25 |
| 130 Sukodono | 2,880.86 | 0 | 0 | 0 | 2,880.86 |
| 140 Padang | 5,383.14 | 0 | 0 | 0 | 5,383.14 |
| 150 Pasrujambe | 13,647.05 | 2,325.25 | 0 | 275.15 | 16,247.45 |
| 160 Senduro | 10,374.30 | 4,015.10 | 2,700.25 | 0 | 17,089.65 |
| 170 Gucialit | 10,162.36 | 0 | 16.89 | 0 | 10,179.25 |
| 180 Kedungjajang | 5,910.30 | 0 | 702.70 | 0 | 6,613.00 |
| 190 Klakah | 5,838.71 | 1,902.08 | 852.30 | 148.91 | 8,742.00 |
| 200 Ranuyoso | 7,807.40 | 1,748.60 | 1,048.03 | 431.47 | 11,035.50 |
| Jumlah | 152,333.23 | 16,723.84 | 8,067.15 | 1,965.78 | 179,090.00 |

Sumber : Badan Pertanahan Nasional Kabupaten Lumajang

Source : Land Affairs Service of Lumajang Regency

Tabel / Table. 1.1.3
Luas Wilayah Berdasarkan Klasifikasi Tekstur Tanah (Hektar)
Area of District by Texture Land Classification (Ha)
2008

| Kecamatan <i>District</i> | Tekstur Tanah (Ha) <i>Texture Land Classification</i> | | | Jumlah <i>Total</i> |
|------------------------------|--|-------------------------|------------------------|------------------------|
| | Halus <i>Granulated</i> | Sedang <i>Middle</i> | Kasar <i>Rugged</i> | |
| (1) | (2) | (3) | (4) | (5) |
| 010 Tempursari | 0 | 9,899.62 | 635.38 | 10,535.00 |
| 020 Pronojiwo | 0 | 9,438.21 | 4,710.79 | 14,149.00 |
| 030 Candipuro | 270.69 | 14,038.71 | 0 | 14,309.40 |
| 040 Pasirian | 0 | 12,229.38 | 609.62 | 12,839.00 |
| 050 Tempeh | 0 | 7,132.31 | 188.69 | 7,321.00 |
| 060 Lumajang | 0 | 2,847.15 | 0 | 2,847.15 |
| 061 Sumbersuko | 0 | 2,907.35 | 0 | 2,907.35 |
| 070 Tekung | 0 | 2,788.00 | 0 | 2,788.00 |
| 080 Kunir | 0 | 5,213.21 | 116.79 | 5,330.00 |
| 090 Yosowilangun | 0 | 6,915.00 | 329.00 | 7,244.00 |
| 100 Rowokangkung | 0 | 5,888.00 | 0 | 5,888.00 |
| 110 Jatiroto | 0 | 5,369.00 | 0 | 5,369.00 |
| 120 Randuagung | 0 | 9,392.25 | 0 | 9,392.25 |
| 130 Sukodono | 196.71 | 2,684.15 | 0 | 2,880.86 |
| 140 Padang | 367.56 | 5,015.58 | 0 | 5,383.14 |
| 150 Pasrujambe | 51.15 | 15,785.77 | 410.53 | 16,247.45 |
| 160 Senduro | 53.81 | 16,604.03 | 431.81 | 17,089.65 |
| 170 Gucialit | 7,959.77 | 2,219.48 | 0 | 10,179.25 |
| 180 Kedungjajang | 437.95 | 6,175.05 | 0 | 6,613.00 |
| 190 Klakah | 710.28 | 6,143.59 | 1,888.13 | 8,742.00 |
| 200 Ranuyoso | 885.66 | 5,647.76 | 4,502.08 | 11,035.50 |
| Jumlah | 10,933.58 | 154,333.60 | 13,822.82 | 179,090.00 |

Sumber : Badan Pertanahan Nasional Kabupaten Lumajang

Source : Land Affairs Service of Lumajang Regency

Tabel / Table. 1.1.4
Luas Daerah Berdasarkan Keadaan Drainase (Hektar)
Area of District by Drainage Condition (Ha)
2008

| Kecamatan <i>District</i> | Drainase (Ha) | | | Jumlah |
|------------------------------|---------------------------|----------------------------|---------------|-------------------|
| | Tidak Pernah Tergenang | Kadang-Kadang Tergenang | Tergenang | |
| (1) | (2) | (3) | (4) | (5) |
| 010 Tempursari | 10,535.00 | 0 | 0 | 10,535.00 |
| 020 Pronojiwo | 14,149.00 | 0 | 0 | 14,149.00 |
| 030 Candipuro | 14,309.40 | 0 | 0 | 14,309.40 |
| 040 Pasirian | 12,803.45 | 0 | 35.55 | 12,839.00 |
| 050 Tempeh | 7,321.00 | 0 | 0 | 7,321.00 |
| 060 Lumajang | 2,847.15 | 0 | 0 | 2,847.15 |
| 061 Sumbersuko | 2,907.35 | 0 | 0 | 2,907.35 |
| 070 Tekung | 2,788.00 | 0 | 0 | 2,788.00 |
| 080 Kunir | 5,330.00 | 0 | 0 | 5,330.00 |
| 090 Yosowilangun | 7,244.00 | 0 | 0 | 7,244.00 |
| 100 Rowokangkung | 5,888.00 | 0 | 0 | 5,888.00 |
| 110 Jatiroto | 9,392.25 | 0 | 0 | 9,392.25 |
| 120 Randuagung | 5,369.00 | 0 | 0 | 5,369.00 |
| 130 Sukodono | 2,880.86 | 0 | 0 | 2,880.86 |
| 140 Padang | 5,383.14 | 0 | 0 | 5,383.14 |
| 150 Pasrujambe | 16,219.35 | 0 | 28.10 | 16,247.45 |
| 160 Senduro | 17,074.00 | 0 | 15.65 | 17,089.65 |
| 170 Gucialit | 10,179.25 | 0 | 0 | 10,179.25 |
| 180 Kedungjajang | 6,613.00 | 0 | 0 | 6,613.00 |
| 190 Klakah | 8,671.00 | 0 | 71.00 | 8,742.00 |
| 200 Ranuyoso | 11,023.00 | 0 | 12.50 | 11,035.50 |
| Jumlah | 178,927.20 | 0.00 | 162.80 | 179,090.00 |

Sumber : Badan Pertanahan Nasional Kabupaten Lumajang

Source : Land Affairs Service of Lumajang Regency

Kabupaten Lumajang Dalam Angka 2009

Lumajang Regency in Figures 2009

Tabel / Table. 1.1.5
Luas Daerah Berdasarkan Kemiringan Tanah (Hektar)
Area of District by Declivity Land (Ha)
2008

| Kecamatan <i>District</i> | Kemiringan Tanah/Lereng (Ha) <i>Declivity of Land</i> | | | | Jumlah <i>Total</i> |
|------------------------------|--|------------------|------------------|------------------|------------------------|
| | 0 - 15 % | 15 - 25 % | 25 - 40 % | > 40 % | |
| (1) | (2) | (3) | (4) | (5) | (6) |
| 010 Tempursari | 2,372.50 | 634.12 | 1,234.38 | 6,294.00 | 10,535.00 |
| 020 Pronojiwo | 5,195.17 | 882.40 | 1,562.03 | 6,509.40 | 14,149.00 |
| 030 Candipuro | 10,643.80 | 176.90 | 476.90 | 3,011.80 | 14,309.40 |
| 040 Pasirian | 11,190.16 | 207.04 | 300.80 | 1,141.00 | 12,839.00 |
| 050 Tempeh | 7,321.00 | 0 | 0 | 0 | 7,321.00 |
| 060 Lumajang | 2,847.15 | 0 | 0 | 0 | 2,847.15 |
| 061 Sumbersuko | 2,907.35 | 0 | 0 | 0 | 2,907.35 |
| 070 Tekung | 2,788.00 | 0 | 0 | 0 | 2,788.00 |
| 080 Kunir | 5,330.00 | 0 | 0 | 0 | 5,330.00 |
| 090 Yosowilangun | 7,244.00 | 0 | 0 | 0 | 7,244.00 |
| 100 Rowokangkung | 5,888.00 | 0 | 0 | 0 | 5,888.00 |
| 110 Jatiroto | 5,369.00 | 0 | 0 | 0 | 5,369.00 |
| 120 Randuagung | 9,235.47 | 58.67 | 98.11 | 0 | 9,392.25 |
| 130 Sukodono | 0 | 2,880.86 | 0 | 0 | 2,880.86 |
| 140 Padang | 456.25 | 4,098.14 | 828.75 | 0 | 5,383.14 |
| 150 Pasrujambe | 4,596.85 | 0 | 4,775.10 | 6,875.50 | 16,247.45 |
| 160 Senduro | 2,075.00 | 0 | 8,339.25 | 6,675.40 | 17,089.65 |
| 170 Gucialit | 3,667.63 | 2,288.79 | 3,660.78 | 562.05 | 10,179.25 |
| 180 Kedungjajang | 6,613.00 | 0 | 0 | 0 | 6,613.00 |
| 190 Klakah | 7,102.75 | 368.30 | 704.45 | 566.50 | 8,742.00 |
| 200 Ranuyoso | 6,240.47 | 1,243.85 | 1,842.32 | 1,708.86 | 11,035.50 |
| Jumlah | 109,083.55 | 12,839.07 | 23,822.87 | 33,344.51 | 179,090.00 |

Sumber : Badan Pertanahan Nasional Kabupaten Lumajang

— Source : Land Affairs Service of Lumajang Regency
Kabupaten Lumajang Dalam Angka 2009
Lumajang Regency in Figures 2009

Tabel / Table. 1.1.6
Luas Daerah Berdasarkan Ketinggian Tempat (Hektar)
Area of District by High Level of Land (Ha)
2008

| Kecamatan District | Ketinggian Tempat High Level | | | | | | Jumlah |
|-----------------------|---------------------------------|------------------|------------------|------------------|------------------|-----------------|-------------------|
| | 0 - 25 m | 25 - 100 m | 100 - 500 m | 500-1000 m | 1000 - 2000 m | > 2000 m | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 010 Tempursari | 2,914.98 | 2,059.74 | 4,941.24 | 619.04 | 0 | 0 | 10,535.00 |
| 020 Pronojiwo | 0 | 0 | 1,119.65 | 8,918.34 | 3,405.61 | 705.40 | 14,149.00 |
| 030 Candipuro | 123.51 | 287.90 | 9,289.05 | 4,240.29 | 368.65 | 0 | 14,309.40 |
| 040 Pasirian | 1,549.90 | 3,997.18 | 7,291.92 | 0 | 0 | 0 | 12,839.00 |
| 050 Tempeh | 1,047.64 | 4,054.29 | 2,219.07 | 0 | 0 | 0 | 7,321.00 |
| 060 Lumajang | 0 | 2,847.15 | 0 | 0 | 0 | 0 | 2,847.15 |
| 061 Sumpusuko | 0 | 2,038.34 | 869.01 | 0 | 0 | 0 | 2,907.35 |
| 070 Tekung | 200.08 | 2,587.92 | 0 | 0 | 0 | 0 | 2,788.00 |
| 080 Kunir | 2,008.08 | 3,321.92 | 0 | 0 | 0 | 0 | 5,330.00 |
| 090 Yosowilangun | 7,213.40 | 30.60 | 0 | 0 | 0 | 0 | 7,244.00 |
| 100 Rowokangkung | 3,514.20 | 2,373.80 | 0 | 0 | 0 | 0 | 5,888.00 |
| 110 Jatiroto | 1,150.11 | 4,218.89 | 0 | 0 | 0 | 0 | 5,369.00 |
| 120 Randuagung | 0 | 3,819.49 | 5,572.76 | 0 | 0 | 0 | 9,392.25 |
| 130 Sukodono | 0 | 2,880.86 | 0 | 0 | 0 | 0 | 2,880.86 |
| 140 Padang | 0 | 1,318.75 | 4,064.39 | 0 | 0 | 0 | 5,383.14 |
| 150 Pasrujambe | 0 | 0 | 3,150.20 | 4,200.75 | 5,646.25 | 3,250.25 | 16,247.45 |
| 160 Senduro | 0 | 0 | 2,540.00 | 5,225.10 | 6,390.80 | 2,933.75 | 17,089.65 |
| 170 Gucialit | 0 | 0 | 3,193.73 | 3,367.81 | 3,617.71 | 0 | 10,179.25 |
| 180 Kedungjajang | 0 | 2,764.03 | 3,428.02 | 405.75 | 15.20 | 0 | 6,613.00 |
| 190 Klakah | 0 | 0 | 6,956.02 | 1,473.11 | 312.87 | 0 | 8,742.00 |
| 200 Ranuyoso | 0 | 0 | 8,474.09 | 2,111.41 | 450.00 | 0 | 11,035.50 |
| Jumlah | 19,721.90 | 38,600.86 | 63,109.15 | 30,561.60 | 20,207.09 | 6,889.40 | 179,090.00 |

Sumber : Badan Pertanahan Nasional Kabupaten Lumajang

Source : Land Affairs Service of Lumajang Regency

Tabel / Table. 1.1.7
Luas Wilayah Berdasarkan Klasifikasi Erosi (Hektar)
Area of District by Erosion Classification (Ha)
2008

| Kecamatan <i>District</i> | Erosi (Ha) | | Jumlah |
|------------------------------|---|----------------------------------|-------------------|
| | Tdk Ada Erosi <i>No Erosion land</i> | Ada Erosi <i>Erosion Land</i> | |
| (1) | (2) | (3) | (4) |
| 010 Tempursari | 9,467.00 | 1,068.00 | 10,535.00 |
| 020 Pronojiwo | 13,009.00 | 1,140.00 | 14,149.00 |
| 030 Candipuro | 14,241.00 | 68.40 | 14,309.40 |
| 040 Pasirian | 12,761.00 | 78.00 | 12,839.00 |
| 050 Tempeh | 7,321.00 | 0 | 7,321.00 |
| 060 Lumajang | 2,847.15 | 0 | 2,847.15 |
| 061 Sumpusuko | 2,907.35 | 0 | 2,907.35 |
| 070 Tekung | 2,788.00 | 0 | 2,788.00 |
| 080 Kunir | 5,330.00 | 0 | 5,330.00 |
| 090 Yosowilangun | 7,244.00 | 0 | 7,244.00 |
| 100 Rowokangkung | 5,888.00 | 0 | 5,888.00 |
| 110 Jatiroto | 5,369.00 | 0 | 5,369.00 |
| 120 Randuagung | 1,120.25 | 8,272.00 | 9,392.25 |
| 130 Sukodono | 2,805.56 | 75.30 | 2,880.86 |
| 140 Padang | 2,008.44 | 3,374.70 | 5,383.14 |
| 150 Pasrujambe | 16,102.70 | 144.75 | 16,247.45 |
| 160 Senduro | 16,689.40 | 400.25 | 17,089.65 |
| 170 Gucialit | 5,513.00 | 4,666.25 | 10,179.25 |
| 180 Kedungjajang | 2,543.15 | 4,069.85 | 6,613.00 |
| 190 Klakah | 3,141.00 | 5,601.00 | 8,742.00 |
| 200 Ranuyoso | 5,606.50 | 5,429.00 | 11,035.50 |
| Jumlah | 144,702.50 | 34,387.50 | 179,090.00 |

Sumber : Badan Pertanahan Nasional Kabupaten Lumajang

Source : Land Affairs Service of Lumajang Regency
Kabupaten Lumajang Dalam Angka 2009
Lumajang Regency in Figures 2009

Tabel/ Table. 1.1.8
Aktivitas Kegiatan Gunung Semeru
Activity of Semeru Volcano
2008

| Uraian Description | Jan | Peb | Maret | April | Mei | Juni | Juli | Agt | Sep | Okt | Nop | Des |
|--------------------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| I Visual | | | | | | | | | | | | |
| 1 Letusan Asap | 55 | 39 | 17 | 63 | 83 | 114 | 153 | 70 | 74 | 118 | 120 | 135 |
| 2 Guguran Lava Pijar | 0 | 0 | 0 | 0 | 0 | 200 m | 0 | 0 | 0 | 0 | 100 m | 0 |
| 3 Suara Letusan | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Suara Guguran | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Sinar Api | 0 | 0 | 0 | 0 | 300 m | 400 m | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Awan Panas Guguran | 0 | 0 | 0 | 0 | 0 | 3000 m | 0 | 0 | 0 | 0 | 0 | 0 |
| II Seismik | | | | | | | | | | | | |
| 1 Gempa Letusan | 3,367 | 2,414 | 2,858 | 2,964 | 2,716 | 2,716 | 2,716 | 3,526 | 3,977 | 3,912 | 4,053 | 4,510 |
| 2 Gempa Guguran | 8 | 5 | 0 | 16 | 13 | 46 | 46 | 12 | 2 | 0 | 2 | 0 |
| 3 Gempa Vulkanik Dalam | 24 | 19 | 17 | 31 | 21 | 5 | 5 | 1 | 0 | 1 | 15 | 18 |
| 4 Gempa Vulkanik Dangkal | 6 | 4 | 6 | 7 | 2 | 4 | 4 | 1 | 0 | 1 | 2 | 3 |
| 5 Gempa Tektonik Terasa | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| 6 Gempa Tektonik Lokal | 2 | 4 | 0 | 0 | 3 | 0 | 0 | 1 | 3 | 2 | 2 | 1 |
| 7 Gempa Tektonik Jauh | 31 | 45 | 28 | 61 | 48 | 63 | 63 | 53 | 34 | 36 | 55 | 42 |
| 8 Gempa Tremor Harmonik | 74 | 17 | 0 | 0 | 11 | 20 | 20 | 23 | 14 | 43 | 100 | 15 |
| 9 Gempa Awan Panas | 0 | 0 | 0 | 0 | 0 | 21 | 21 | 0 | 0 | 0 | 0 | 0 |
| 10 Gempa Banjir | 5 | 2 | 1 | 13 | 3 | 2 | 2 | 0 | 0 | 0 | 2 | 7 |

Sumber : Proyek Gunung Semeru Lumajang (Pengamatan di Gunung Sawur)

Source : Semeru Mountain Project at Lumajang Regency

