



Mapping Competition with Focus on Quality: Lesson Learned

Yantisa Akhadi

Country Manager – Indonesia

Humanitarian OpenStreetMap Team

yantisa@hotosm.org

UniBattleMapping & Past History



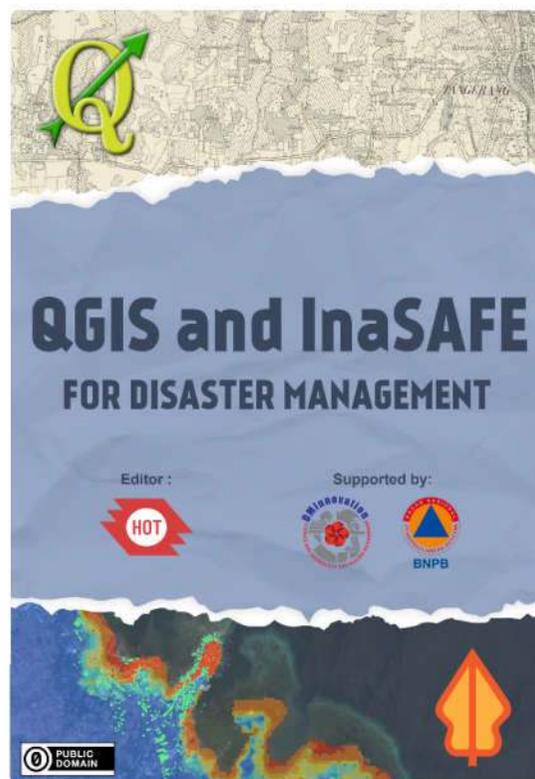
First Uni competition in 2012, mapping Padang for Tsunami and Earthquake preparation

UniBattleMapping & Past History



University Roadshow : Introduction to OSM and QGIS

UniBattleMapping & Past History



Preparation for UniBattleMapping

- Team requirements
 - A team consist of 3 university student
 - Having an OSM user account
 - Understand how to [contribute](#) and [validate](#) in OSM
 - Multiple teams from a university is allowed, yet during elimination round only one team can represent their university
 - Must follow HOT ID Instagram account ([@hotosm.id](#))
 - Must retweet UniBattleMapping publication
- Set up the official (social) media channel
 - Website: <https://openstreetmap.id/battlemap/>
 - Twitter: <https://twitter.com/unibattlemap>
 - LINE: @cfd4062t

Preparation for UniBattleMapping

Scoring Criteria and Competition Rule

- Map at the designated area
- Use the pre-registered OSM account & one account can only be used by one person
- Using JOSM
- Adhere to OSM mapping guideline
- Focus on
 - **Building**
 - **Highway** (primary, secondary, tertiary, residential, living street and unclassified road)
 - **Amenity** (School, health facilities and place of worship) . For amenity it is compulsory to add name and address

Preparation for UniBattleMapping

Scoring Criteria and Competition Rule

- Object scoring
 - Building: number of object x 0.2
 - Highway number of object x 0.5
 - Amenity: number of object x 0.5
- Point deduction
 - Not aligned with the imagery (-2 point for building and highway, -3 for amenity)
 - Wrong tagging (-2 point for building and highway, -3 for amenity)
 - Error during JOSM validation
 - Errors (-2 point)
 - Node/way duplication
 - Warnings (-1 point)
 - Crossing ways/buildings, overlapping highways, untagged ways, way end node near other highway
 - Buildings without roads (-20)

Letak bangunan yang sebenarnya di citra satelit

Hasil digitasi tidak sesuai dengan kenampakan di citra satelit



Salah

Hasil digitasi sesuai dengan citra satelit



Benar



2017 UniBattleMapping: Roadshow

HOT

University Roadshow 2017

START



Uni-Battle Mapping Roadshow Schedule:

Selasa, 12 Sept

- UPN Jogjakarta (09.00 WIB)
- UII Jogjakarta (13.00 WIB)
- ITS Surabaya (13.00 WIB)



HOT



Uni-Battle Mapping Roadshow Schedule:

Rabu, 13 Sept

- UI Depok (10.00 WIB)
- UGM Jogjakarta (16.00 WIB)
- Unibraw Malang (16.00 WIB)



HOT

DAFTARKAN TIM KAMU SEKARANG DAN JADILAH PEMENANG

openstreetmap.id/battlemap/

Deadline: 17 September 2017

Uni-Battle Mapping Roadshow Schedule:

Sabtu, 16 Sept

- Unsoed Purwokerto (08.00 WIB)

Senin, 18 Sept

- Unima Manado (08.00 WIB)



2017 UniBattleMapping: Registration & Initial Test (1)



+ Initial test

2017 UniBattleMapping: Registration & Initial Test



SELAMAT!



Humanitarian
OpenStreetMap
Team

Kami ucapkan selamat kepada tim yang telah lolos menuju ke babak selanjutnya.

1. Gajah Mada Mapping
2. Space Time
3. FBS Geo'15
4. Magnifico Squad
5. Anomali
6. Asensiorekta
7. Samala Adwitya
8. DAZ
9. BagusMapping
10. SoloWesi

11. A3
12. Bucin Army
13. Apriori
14. PLANO DSM ITS
15. GEODIPO
16. Master Bon
17. -equinox-
18. GeoUnima
19. Geodesi Unila
20. bukajalanyuk

21. Kuda Poni
22. Sirius
23. Keongmas
24. RockAddict
25. Empire State
26. Tim Dse UNDIP
27. DSM APD
28. Calon Sarjana
29. UTMercator
30. AlwaysMapping

31. RUTAKU's MAPPING TEAM
32. ANACONDA
33. Maung Bandung



*urutan peserta yang lolos tidak berdasarkan peringkat

2017 UniBattleMapping: Registration & Initial Test



PENGUMUMAN



Humanitarian
OpenStreetMap
Team

Berikut nama-nama tim yang harus melalui babak eliminasi atau langsung maju ke babak final

Elimination Round

Institut Teknologi Bandung (ITB)

1. Empire State
2. ANACONDA
3. Maung Bandung

Universitas Brawijaya

1. Samala Adwitya
2. Master Bon

Universitas Diponegoro

1. GEDDIPO
2. Tim Ose UNDIP

Universitas Gadjah Mada

1. Gajah Mada Mapping
2. Anomali
3. Asensiorekta
4. DAZ
5. Apriori
6. -equinox-
7. DSM APD
8. UTMercator

Universitas Indonesia

1. FBS Geo'15
2. RUTAKU's MAPPING TEAM

Universitas Islam Indonesia

1. Magnifico Squad
2. BagusMapping
3. SoloWesi
4. Bucin Army
5. Sirius
6. AlwaysMapping

UPN Veteran Yogyakarta

1. A3
2. bukajalanyuk
3. Kuda Poni
4. Keongmas
5. RockAddict
6. Calon Sarjana

Final Round

Institut Teknologi Sepuluh November

PLANO DSM ITS

Universitas Lampung

Geodesi Unila

Universitas Muhammadiyah Surakarta

SpaceTime

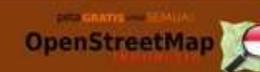
Universitas Negeri Manado

GeoUnima

@unibattlemap

Uni-Battle Mapping

For more info, please visit
openstreetmap.id/battlemap/update



2017 UniBattleMapping: Elimination Round

Klasemen Sementara **

- University Battle Mapping -

4 Oktober 2017



Institut Teknologi Bandung

No	Nama Tim	Amenity	Buildings	Highways	Total
1	Maung Bandung	4	1839	17	1860
2	Empire State	30	298	25	353
3	ANACONDA	6	212	6	224



Universitas Diponegoro

No	Nama Tim	Amenity	Buildings	Highways	Total
1	GEODIPO	0	2	45	47
2	Tim Ose UNDIIP	0	0	0	0



Universitas Gadjah Mada

No	Nama Tim	Amenity	Buildings	Highways	Total
1	Gajah Mada Mapping	32	2435	100	2567
2	OSM APD	0	942	0	942
3	-equinox-	5	526	52	583
4	Apriori	5	208	38	251
5	Anomali	0	128	3	131
6	Asensiorekta	0	16	0	16
7	DAZ	0	0	0	0
8	UTMercator	0	0	0	0



Universitas Islam Indonesia

No	Nama Tim	Amenity	Buildings	Highways	Total
1	Sirius	24	132	14	170
2	AlwaysMapping	0	0	0	0
3	BagusMapping	0	0	0	0
4	Bucin Army	0	0	0	0
5	Magnifico Squad	0	0	0	0
6	SoloWesi	0	0	0	0



Sementara **

- Battle Mapping -

4 Oktober 2017



Universitas Indonesia

No	Nama Tim	Amenity	Buildings	Highways	Total
1	FBS Geo'15	0	4752	5	4757
2	RUTAKU's MAPPING TEAM	4	57	13	74



Universitas Brawijaya

No	Nama Tim	Amenity	Buildings	Highways	Total
1	Master Bon	0	19	0	19
2	Samala Adwitya	0	0	0	0



UPN Veteran Yogyakarta

No	Nama Tim	Amenity	Buildings	Highways	Total
1	A3	15	513	12	540
2	bukajalanyuk	14	85	12	111
3	Kuda Poni	11	51	13	75
4	Keongmas	0	0	0	0
5	RockAddict	0	0	0	0
6	Calon Sarjana	0	0	0	0

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Uni-Battle Mapping

** Peringkat berdasarkan jumlah objek yang telah dipetakan dan belum dikurangi poin dari kesalahan tim



Humanitarian OpenStreetMap Team



Australian Government

** Peringkat berdasarkan jumlah objek yang telah dipetakan dan belum dikurangi poin dari kesalahan tim



Humanitarian OpenStreetMap Team



Australian Government

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Uni-Battle Mapping

2017 UniBattleMapping: Elimination Round

Klasemen Sementara **
- University Battle Mapping -
8 Oktober 2017

Lolos eliminasi



Institut Teknologi Bandung

No	Nama Tim	Amenity	Buildings	Highways	Total
1	Empire State	223	14657	245	15125
2	Maung Bandung	49	13313	247	13609
3	ANACONDA	37	1339	22	1398



Universitas Diponegoro

No	Nama Tim	Amenity	Buildings	Highways	Total
1	GEODIPO	3	5291	433	5727
2	Tim Ose UNDIP	61	44	10	115



Universitas Gadjah Mada

No	Nama Tim	Amenity	Buildings	Highways	Total
1	Gadjah Mada Mapping	230	15857	856	16943
2	-equinox-	53	11145	1385	12583
3	Apriori	124	11381	223	11728
4	Anomali	48	5129	19	5196
5	OSM APD	0	2800	3	2803
6	Asensiorekta	11	2067	19	2097
7	UTMercator	34	1155	25	1214
8	DAZ	0	0	0	0



Universitas Islam Indonesia

No	Nama Tim	Amenity	Buildings	Highways	Total
1	Magnifico Squad	166	356	189	711
2	SoloWesi	1	590	19	610
3	Sirius	62	270	57	389
4	AlwaysMapping	39	130	71	240
5	BagusMapping	14	8	9	31
6	Bucin Army	0	0	0	0



Klasemen Sementara **
- University Battle Mapping -
8 Oktober 2017

Lolos eliminasi



Universitas Indonesia

No	Nama Tim	Amenity	Buildings	Highways	Total
1	FBS Geo'15	8	12505	85	12598
2	RUTAKU's MAPPING TEAM	8	7108	135	7251



UPN Veteran Yogyakarta

No	Nama Tim	Amenity	Buildings	Highways	Total
1	A3	154	1588	92	1834
2	Kuda Poni	20	135	25	180
3	bukajalanyuk	14	74	11	99
4	Calon Sarjana	6	24	13	43
5	Keongmas	0	0	0	0
6	RockAddict	0	0	0	0



Universitas Brawijaya

No	Nama Tim	Amenity	Buildings	Highways	Total
1	Samala Adwitya	50	3378	249	3677
2	Master Bon	58	34	275	367

** Peringkat berdasarkan jumlah objek yang telah dipetakan dan belum dikurangi poin dari kesalahan tim

** Peringkat berdasarkan jumlah objek yang telah dipetakan dan belum dikurangi poin dari kesalahan tim

GIF source: <https://giphy.com/gifs/judge-judy-hurry-up-Emg9qPKR5hql>



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Uni-Battle Mapping



openstreetmap.id/battlemap/update
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Uni-Battle Mapping

2017 UniBattleMapping: Elimination Round

S E L A M A T !

Kami ucapkan selamat kepada seluruh tim yang berhasil maju ke babak final



Institut Teknologi Bandung

Empire State



Universitas Islam Indonesia

Sirius



Universitas Brawijaya

Master Bon



Universitas Gadjah Mada

Gadjah Mada Mapping



UPN Veteran Yogyakarta

Kuda Poni



Universitas Indonesia

RUTAKU's MAPPING TEAM



Universitas Diponegoro

GEODIPO



Universitas Negeri Manado

GeoUnima



Universitas Lampung

Geodesi Unila



Universitas Muhammadiyah Surakarta

Space Time



Institut Teknologi Sepuluh Nopember

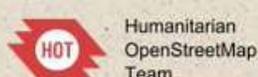
Plano DSM ITS



 openstreetmap.id/battlemap/update

 [@unibattlemap](https://twitter.com/unibattlemap)

 [Uni-Battle Mapping](https://www.facebook.com/Uni-Battle Mapping)



Informasi lebih lanjut tentang babak final, silakan kunjungi

openstreetmap.id/battlemap/update

2017 UniBattleMapping: Final Round

Final Round

27 Oktober 2017



Universitas Muhammadiyah Surakarta (Space Time)

Amenity	Building	Highway	Total
7	48283	1351	49641

Universitas Gadjah Mada (Gajah Mada Mapping)

Amenity	Building	Highway	Total
160	17163	919	18242

Institut Teknologi Sepuluh Nopember (Plano DSM)

Amenity	Building	Highway	Total
7	1800	11	1818

Universitas Islam Indonesia (Sirius)

Amenity	Building	Highway	Total
15	161	28	204

Institut Teknologi Bandung (Empire State)

Amenity	Building	Highway	Total
105	30908	219	31232

Universitas Diponegoro (GEODIPO)

Amenity	Building	Highway	Total
0	14298	54	14352

Universitas Indonesia (RUTAKU's MAPPING TEAM)

Amenity	Building	Highway	Total
0	1064	0	1064

UPN Veteran Yogyakarta (Kuda Poni)

Amenity	Building	Highway	Total
0	0	0	0

Universitas Negeri Manado (GeoUnima)

Amenity	Building	Highway	Total
211	26287	443	26941

Universitas Lampung (Geodosi Unila)

Amenity	Building	Highway	Total
24	7790	89	7903

Universitas Brawijaya (Master Bon)

Amenity	Building	Highway	Total
42	26	520	588

**** Peringkat sementara berdasarkan jumlah objek yang telah dipetakan dan belum dikurangi poin dari kesalahan tim**

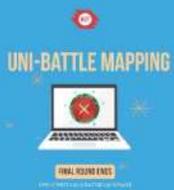


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Uni-Battle Mapping



2017 UniBattleMapping: Final Round

Final Round

29 Oktober 2017



Universitas Muhammadiyah Surakarta (Space Time)

Amenity	Building	Highway	Total
10	59789	1919	61718



Universitas Gadjah Mada (Gajah Mada Mapping)

Amenity	Building	Highway	Total
275	32239	1722	34236



Institut Teknologi Sepuluh Nopember (Plano DSM)

Amenity	Building	Highway	Total
8	2294	11	2313



Universitas Islam Indonesia (Sirius)

Amenity	Building	Highway	Total
15	162	25	202



Institut Teknologi Bandung (Empire State)

Amenity	Building	Highway	Total
201	46532	249	46982



Universitas Diponegoro (GEODIPO)

Amenity	Building	Highway	Total
0	24410	76	24486



Universitas Indonesia (RUTAKU's MAPPING TEAM)

Amenity	Building	Highway	Total
0	1064	0	1064



UPN Veteran Yogyakarta (Kuda Poni)

Amenity	Building	Highway	Total
0	0	0	0



Universitas Negeri Manado (GeoUnima)

Amenity	Building	Highway	Total
318	37622	758	38698



Universitas Lampung (Geodesi Unila)

Amenity	Building	Highway	Total
24	7790	89	7903



Universitas Brawijaya (Master Bon)

Amenity	Building	Highway	Total
42	26	520	588



**** Peringkat sementara berdasarkan jumlah objek yang telah dipetakan dan belum dikurangi poin dari kesalahan tim**



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Uni-Battle Mapping

2017 UniBattleMapping: Final Round



2017 UniBattleMapping: Result

Congratulation to our winners!!

University Battle Mapping
2017



Institut Teknologi Bandung

Empire State

2nd



Universitas Muhammadiyah
Surakarta

Space Time

1st



Universitas Gadjah Mada

Gajah Mada Mapping

3rd



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2017 UniBattleMapping: Result



UniBattleMapping Aftermath



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2017 UniBattleMapping

Roadshow

Registration

Elimination
Round

Final Round

Validation

Winner
Annoucement

1st week of September

16th November
OSM Geography Awareness Week



Key Lesson Learned

(1) “Quantity and quality are both important”

(2) “Competition as a way of learning”

(3) “Making it sustainable”

Behind the Scene

