

# Analisis Network Media Sosial

Tugas Akhir KMMI SNR 3

# Kelompok 11

## Anggota Kelompok

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# Daftar isi

**01** Topik

**02** Tujuan Analisis

**03** Pemrosesan data

**04** Analisis

**05** Simpulan

# Topic

## Masyarakat dan Warga

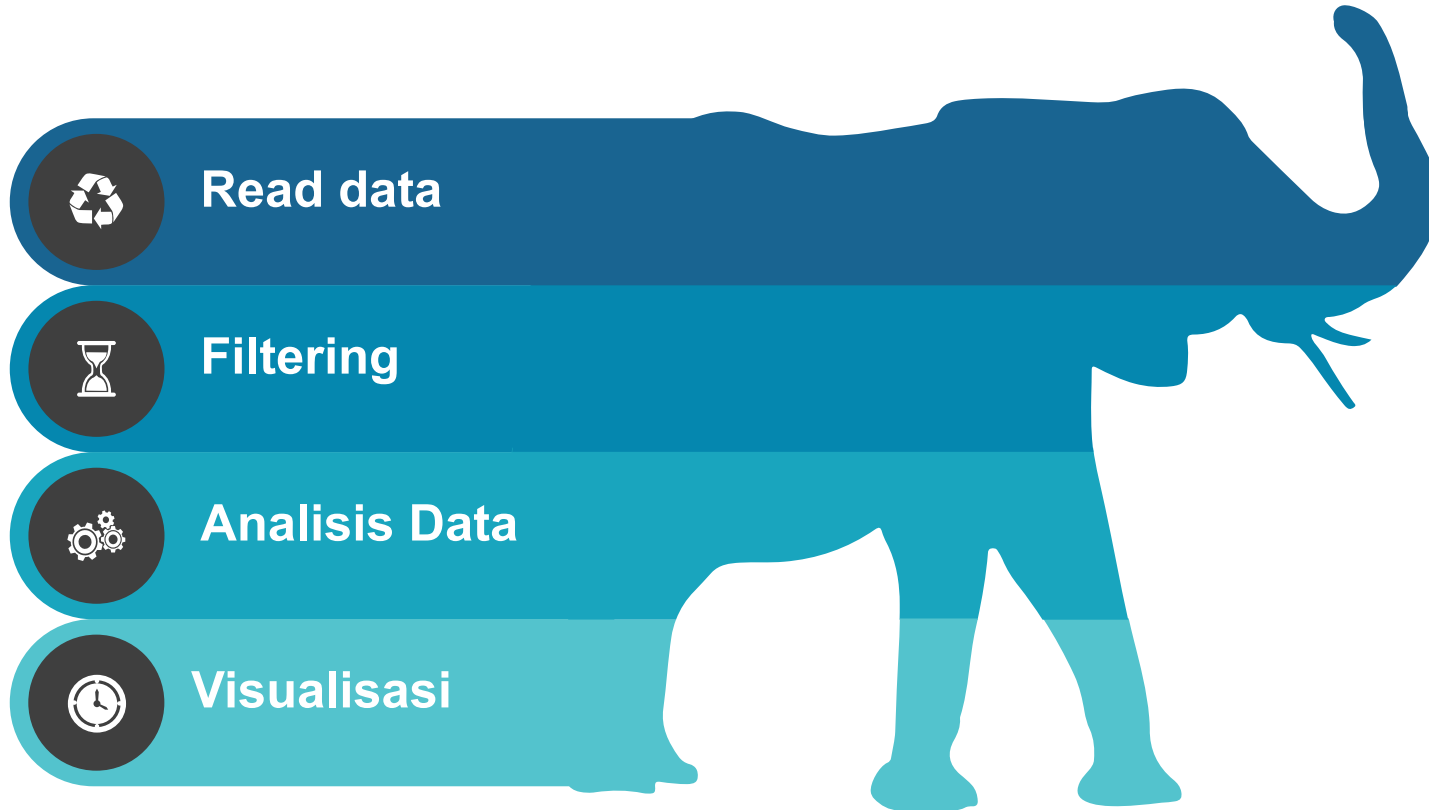




# Tujuan Analisis

1. Mengetahui akun yang paling berpengaruh terhadap keyword yang ditentukan
2. Mengetahui banyaknya komunitas
3. Mengetahui besarnya nilai modularity dari suatu analisis

# Pemrosesan Data





Workspace 1

Appearance

Nodes Edges

Unique Ranking

---Choose an attribute

Apply

Layout

Noverlap

i

Run

Noverlap

speed	3.0
ratio	1.2
margin	5.0

Noverlap

Presets... Reset

Graph

Drag

Graph

Graph

Graph

Graph

Graph

Graph

Graph

Graph

Graph

Graph

Graph

Graph

Graph

Graph

Graph

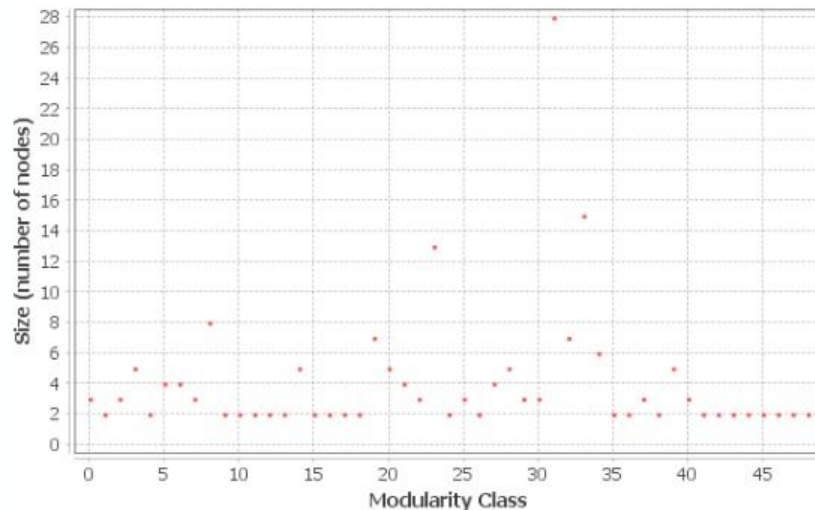
Graph

HTML Report

## Results:

Modularity: 0.942  
Modularity with resolution: 0.942  
Number of Communities: 49

## Size Distribution



Print Copy Save

Close

Context

Nodes: 200

Edges: 157

Undirected Graph

Filters

Statistics

Settings

## Network Overview

Average Degree Run

Avg. Weighted Degree Run

Network Diameter 6 Run

Graph Density Run

HITS Run

Modularity 0.942 Run

PageRank Run

Connected Components Run

## Node Overview

Avg. Clustering Coefficient Run

Eigenvector Centrality Run

## Edge Overview

Avg. Path Length 1.918 Run

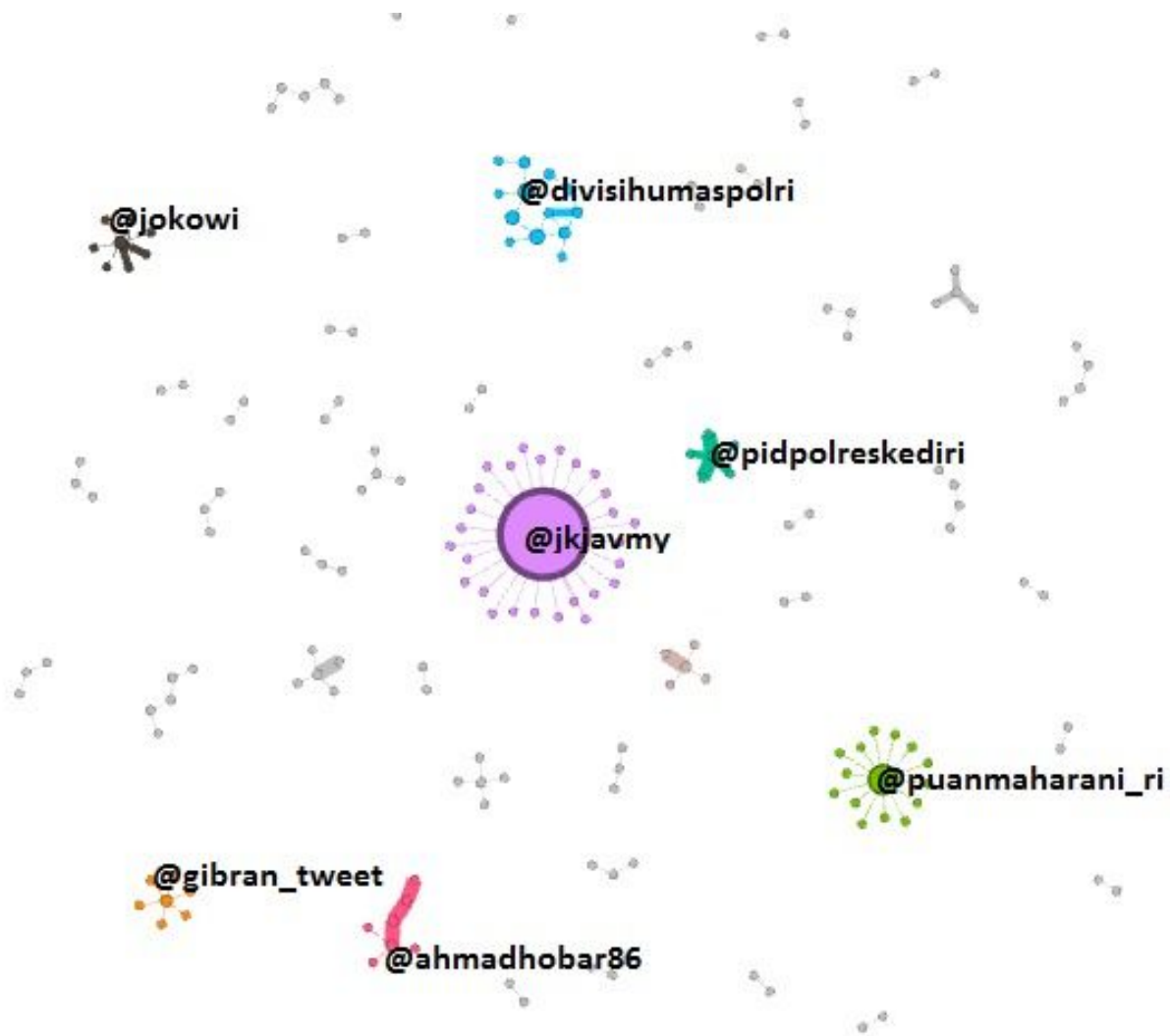
## Dynamic

# Nodes Run

# Edges Run

Degree Run





Workspace 1

Appearance

Nodes Edges

Unique Partition Ranking

#c0c0c0

Apply

Layout

---Choose a layout

Run

&lt;No Properties&gt;

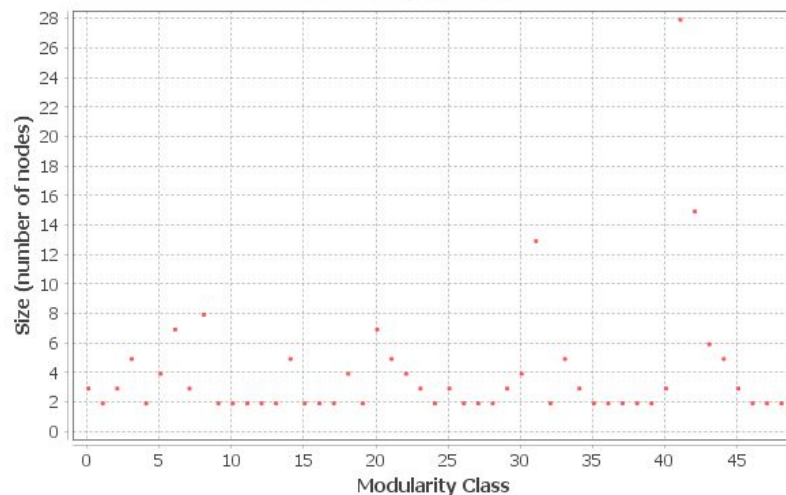
Presets... Reset

HTML Report

## Results:

Modularity: 0.942  
Modularity with resolution: 0.942  
Number of Communities: 49

## Size Distribution



Print Copy Save

Close

Context

Nodes: 200

Edges: 157

Undirected Graph

Filters Statistics

Settings

## Network Overview

Average Degree Run

Avg. Weighted Degree Run

Network Diameter Run

Graph Density Run

HITS Run

Modularity 0.942 Run

PageRank Run

Connected Components Run

## Node Overview

Avg. Clustering Coefficient Run

Eigenvector Centrality Run

## Edge Overview

Avg. Path Length Run

## Dynamic

# Nodes Run

# Edges Run

Degree Run

Workspace 1

Appearance

Nodes Edges

Unique Ranking

Degree

Min size: 1

Max size: 4

Spline...

Apply

Layout

Fruchterman Reingold

i

Run

Fruchterman Reingold

Area 10000.0

Gravity 10.0

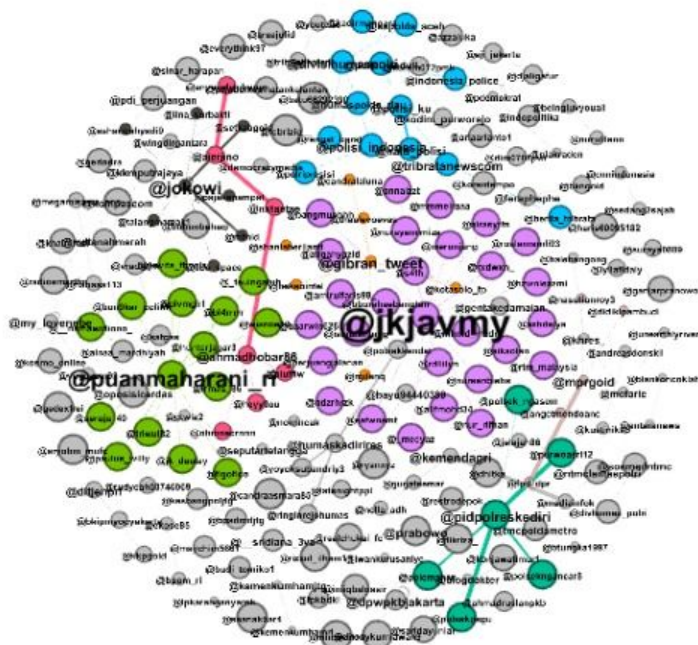
Speed 1.0

Fruchterman Reingold

Presets... Reset

Graph

Dragging (Configure)



Context

Nodes: 200

Edges: 157

Undirected Graph

Filters Statistics

Settings

Network Overview

Average Degree 1.57 Run

Avg. Weighted Degree Run

Network Diameter Run

Graph Density Run

HITS Run

Modularity 0.942 Run

PageRank Run

Connected Components Run

Node Overview

Avg. Clustering Coefficient Run

Eigenvector Centrality Run

Edge Overview

Avg. Path Length Run

Dynamic

# Nodes Run

# Edges Run

Degree Run



# Conclusion

**Modularity** : 0,942

**Comunities** : 49

**Most Influential:** @jkjavmy, @puanmaharani\_ri,  
@divisihumaspolri, @jokowi, @gibran\_tweet,  
@pidpolreskediri, @ahmadhobar86





# Conclusion

Pada data yang diambil dari dataset covid19\_tweet.csv dengan memfilter kata “masyarakat” dan “warga” dihasilkan visualisasi seperti gambar di atas. Pada visualisasi tersebut, terdapat 49 komunitas - komunitas kecil. Node “jkjavmy” memiliki ukuran paling besar yang artinya memiliki skor betweenness dan degree centrality yang paling tinggi pada komunitas yang ditandai dengan warna ungu. Artinya, jkjavmy adalah node yang memiliki koneksi paling banyak diantara nodes lainnya.







THANK YOU

