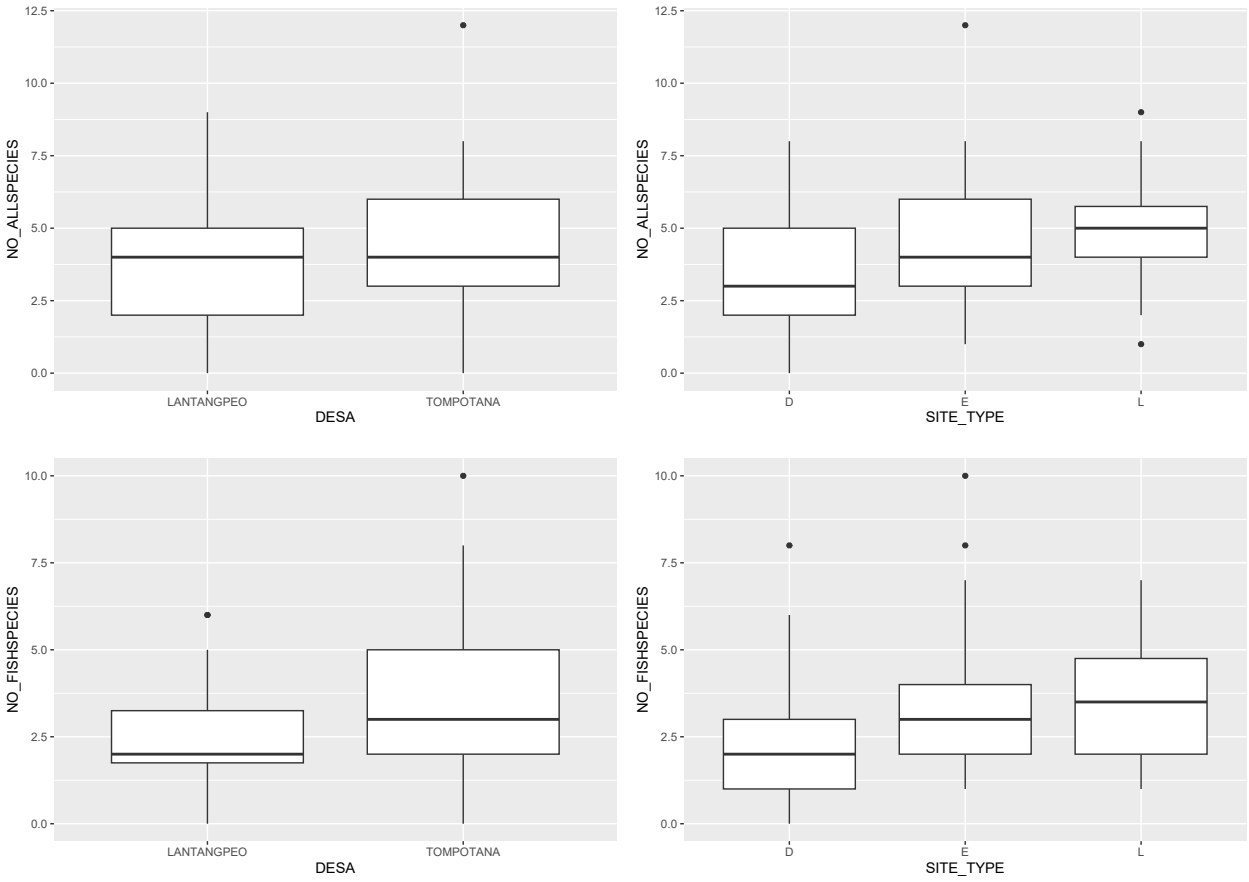
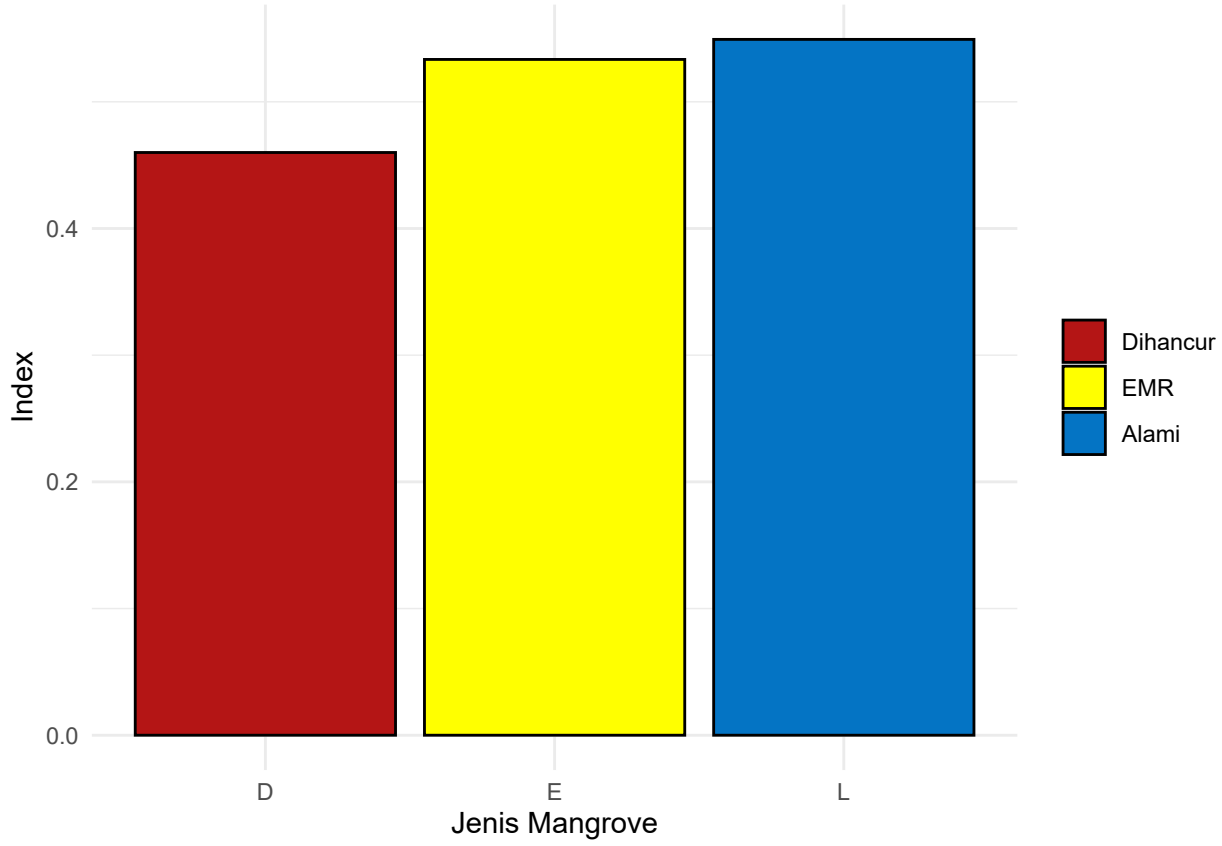
DataViz_practice

Sophie Wulfing

2025-02-21




Index
0.4
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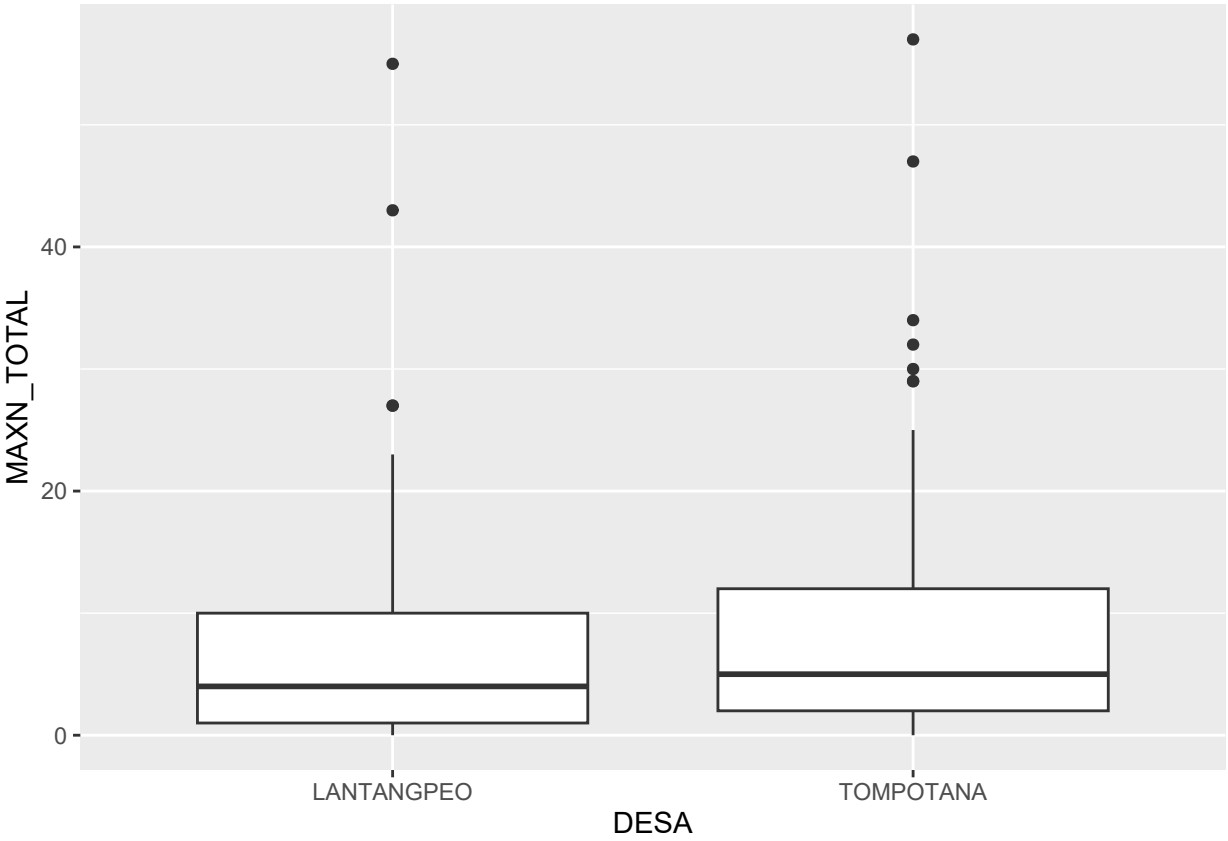
0.0
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami


MAXN_TOTAL
40
20
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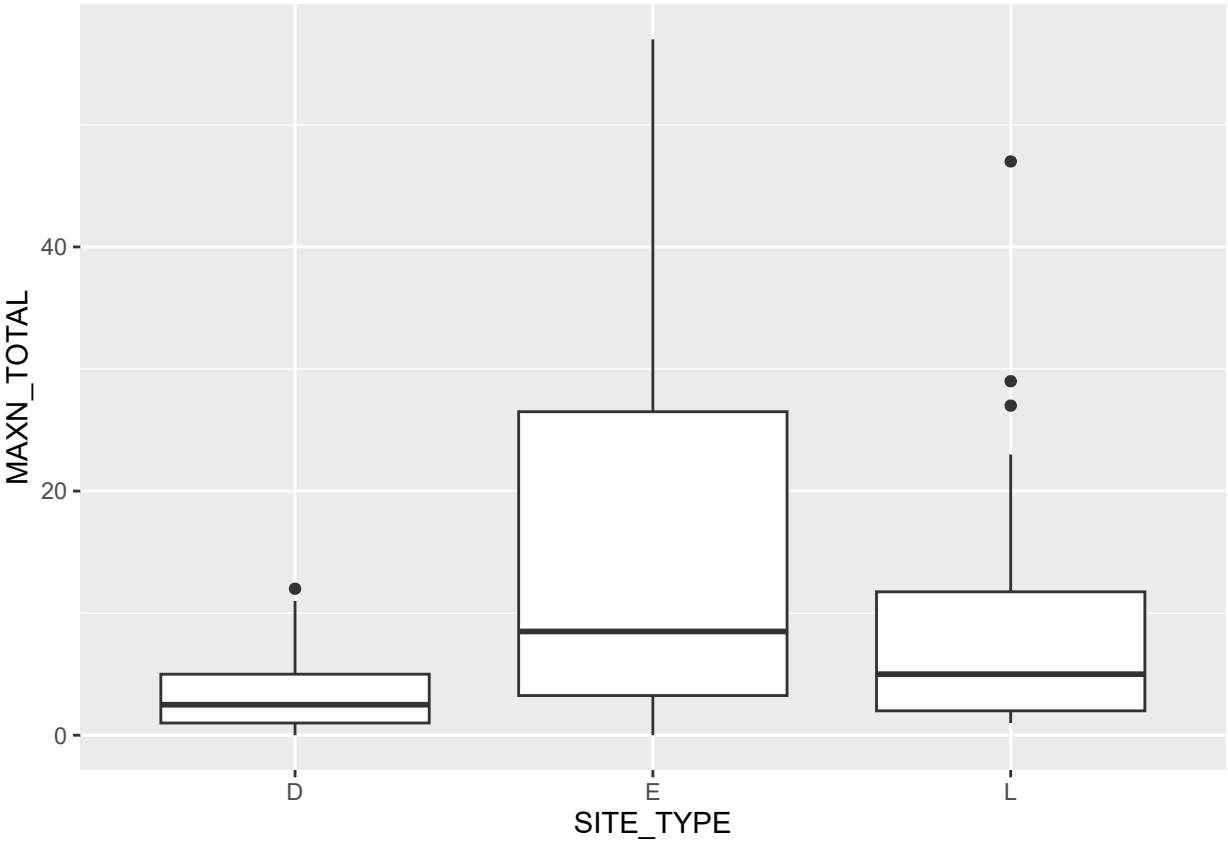
LANTANGPEO
TOMPOTANA
DESA


MAXN_TOTAL
40
20
0
D
E
L
SITE_TYPE

ANOVAS AND STATS

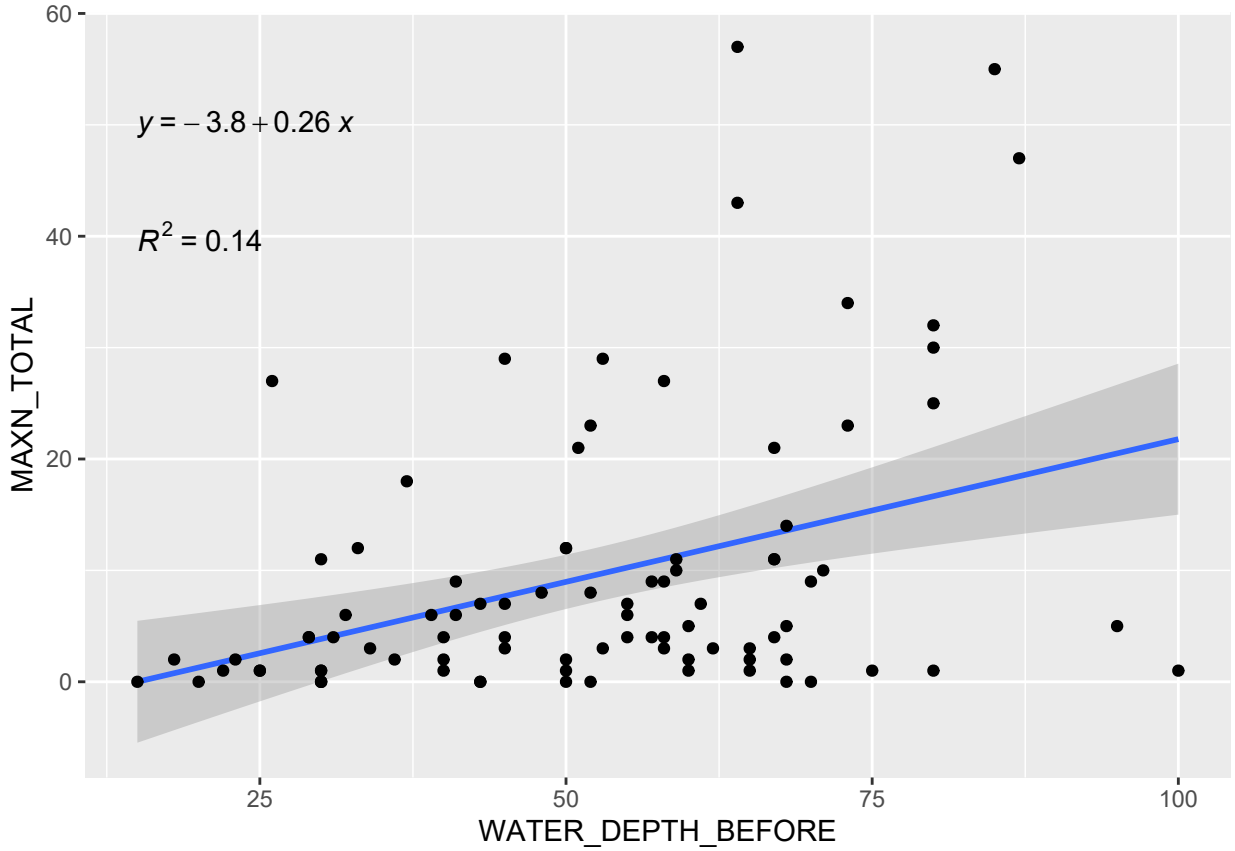
```
##             Df Sum Sq Mean Sq F value   Pr(>F)
## SITE_TYPE    2   2137  1068.7   8.027 0.000632 ***
## Residuals   87  11583   133.1
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

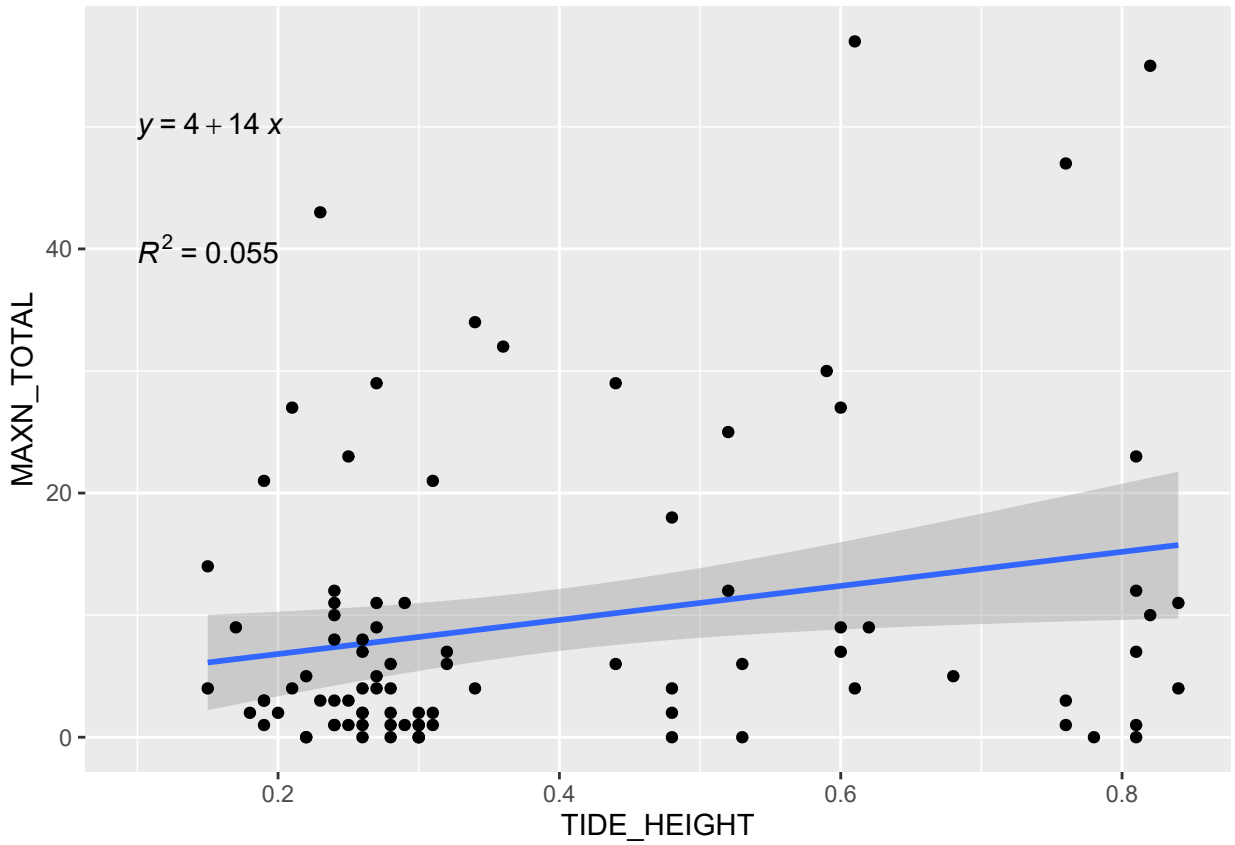
```
##             Df Sum Sq Mean Sq F value Pr(>F)
## DESA         1    194   193.6   1.259  0.265
## Residuals   88  13527   153.7
```

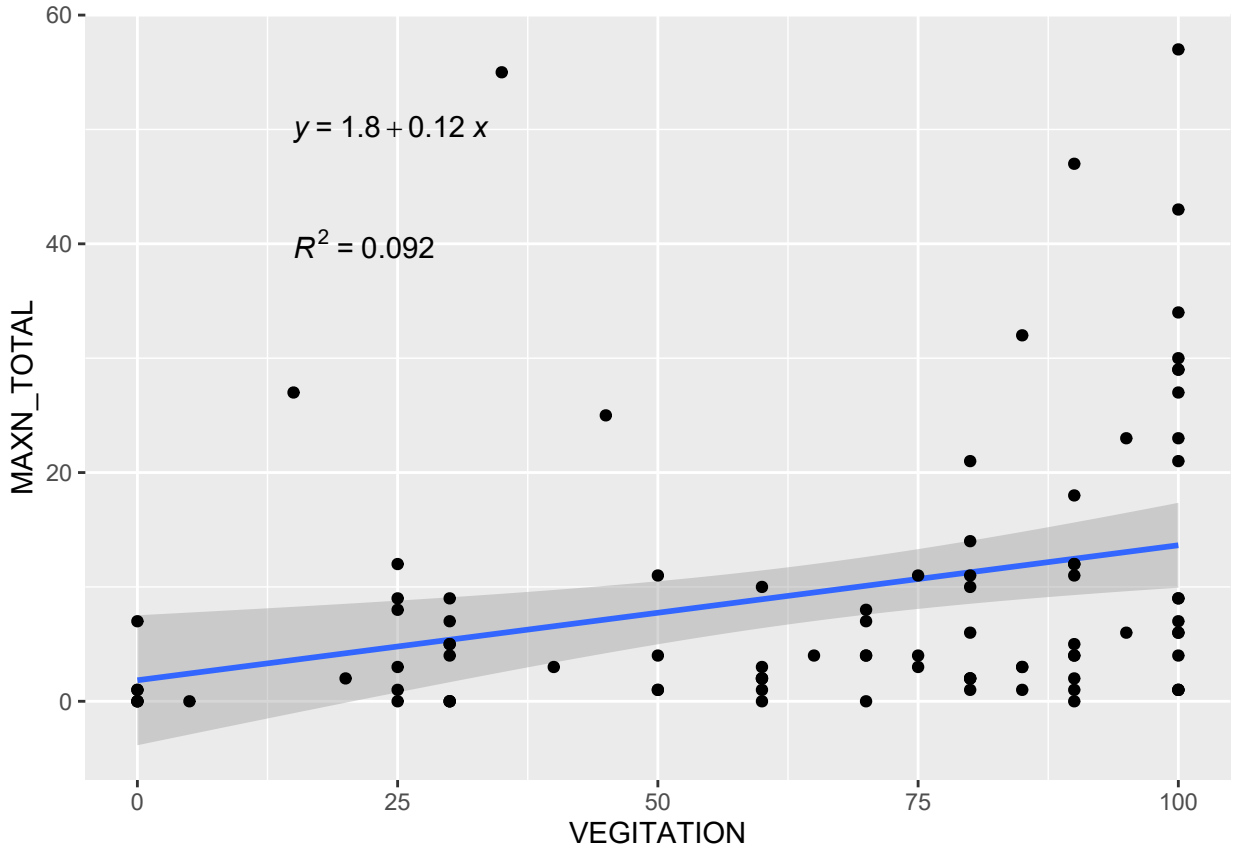
```
##             Df Sum Sq Mean Sq F value Pr(>F)
## SITE_TYPE    2  0.136  0.0681   0.262 0.7705
## DESA         1  1.565  1.5655   6.014 0.0162 *
## Residuals   86 22.387  0.2603
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
##                Df Sum Sq Mean Sq F value Pr(>F)
## SITE_TYPE       2  0.136  0.0681   0.256 0.7748
## DESA            1  1.565  1.5655   5.885 0.0174 *
## SITE_TYPE:DESA  2  0.043  0.0215   0.081 0.9225
## Residuals      84 22.344  0.2660
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

STATS


y = −3.8 + 0.26 x
R2 = 0.14
MAXN_TOTAL
WATER_DEPTH_BEFORE
60
40
20
0
25
50
75
100


y = 4 + 14 x
R2 = 0.055
MAXN_TOTAL
0
20
40
0.2
0.4
0.6
0.8
TIDE_HEIGHT


y = 1.8 + 0.12 x
R2 = 0.092
MAXN_TOTAL
VEGITATION
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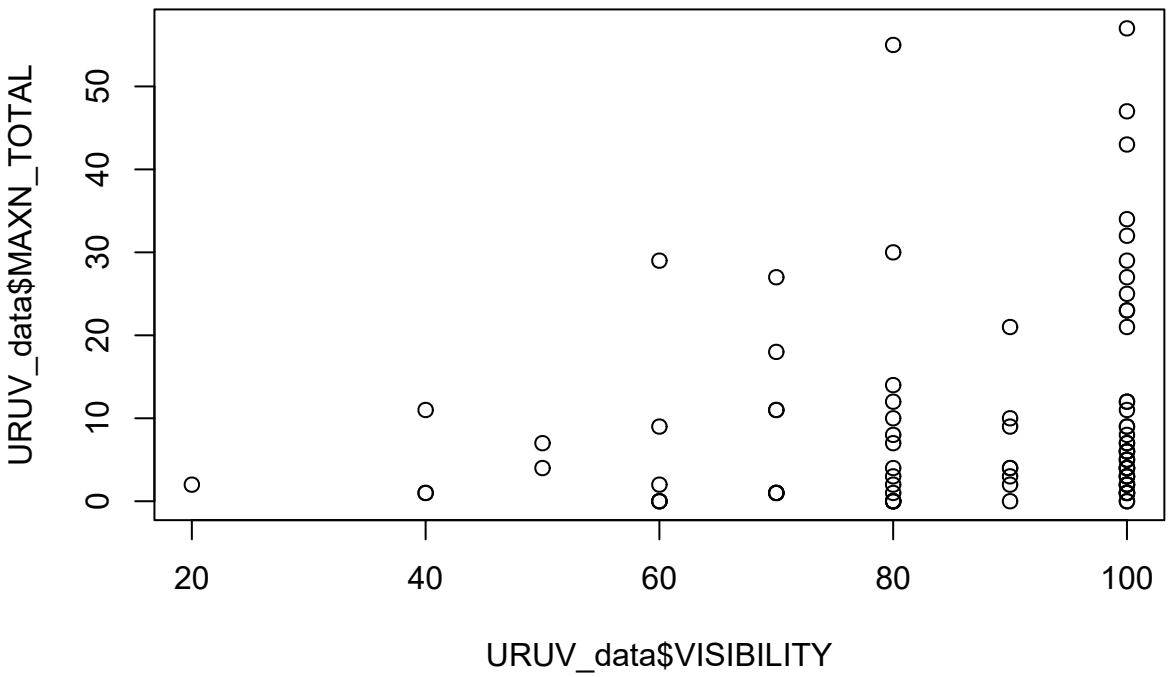
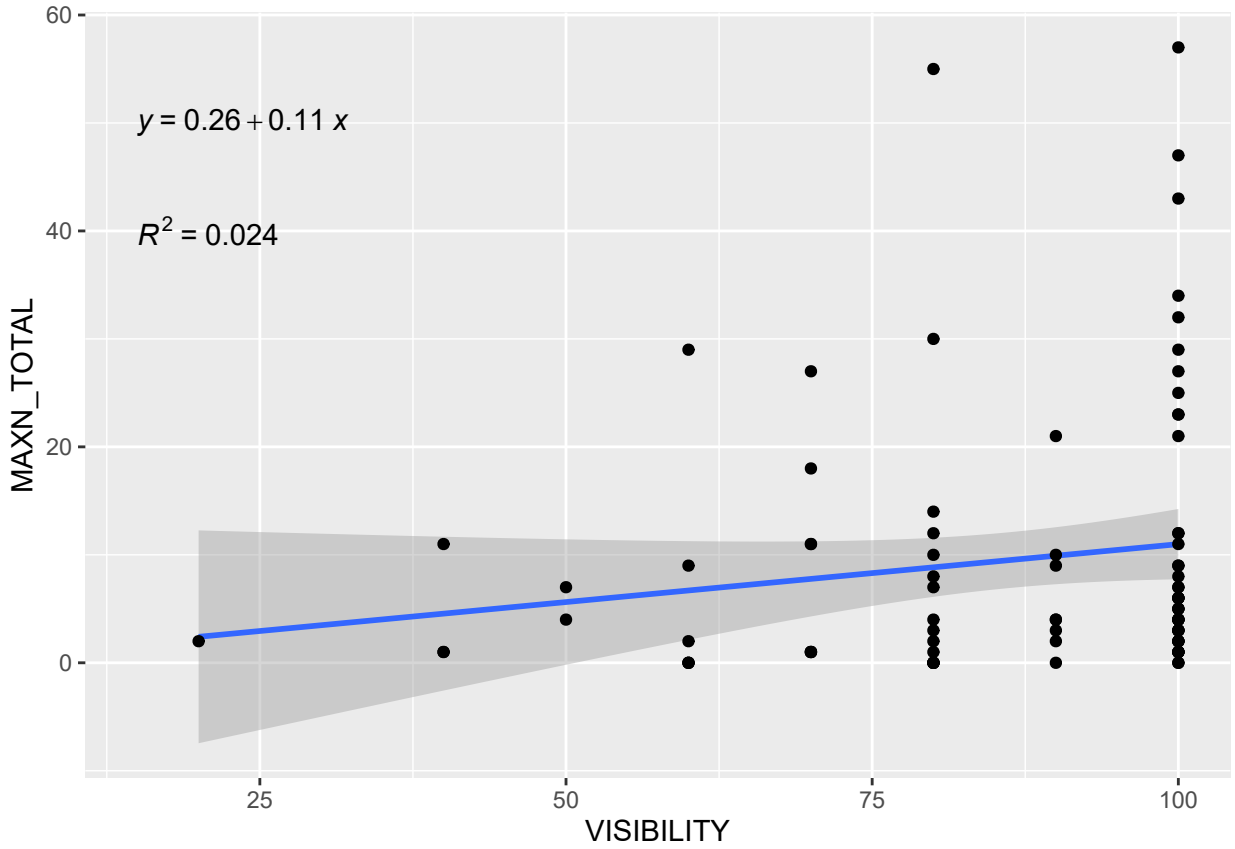
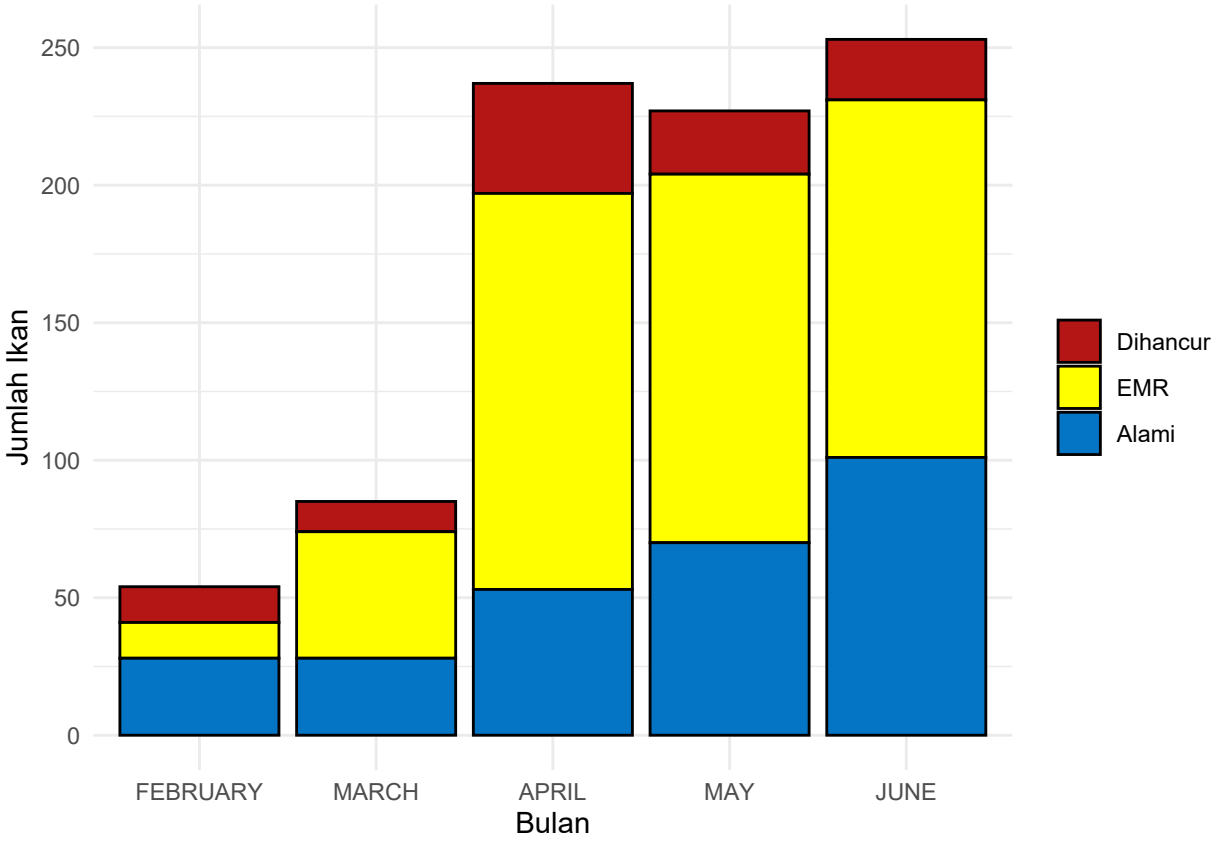
40
20
0
0
25
50
75
100


URUV_data$MAXN_TOTAL
0
10
20
30
40
50
20
40
60
80
100
URUV_data$VISIBILITY


y = 0.26 + 0.11 x
R2 = 0.024
MAXN_TOTAL
VISIBILITY
60
40
20
0
25
50
75
100


250
200
150
100
50
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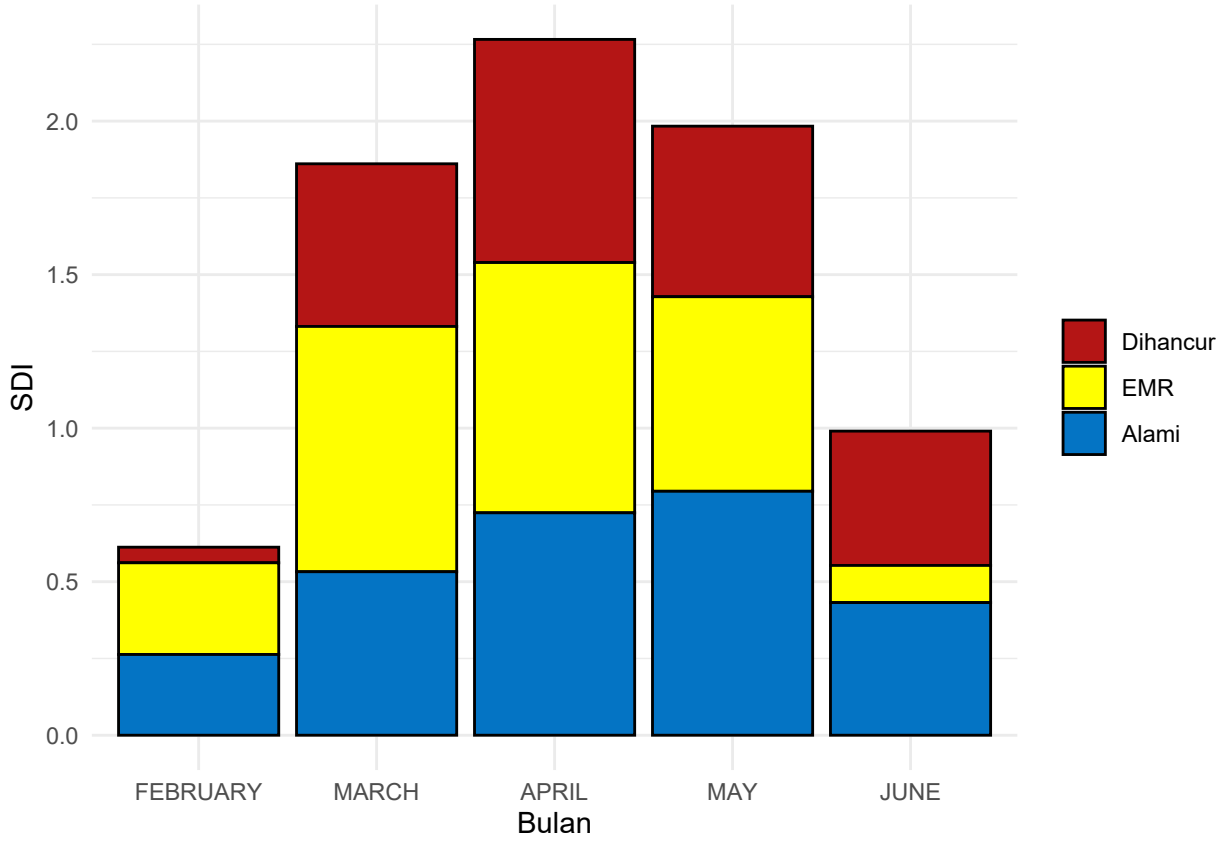
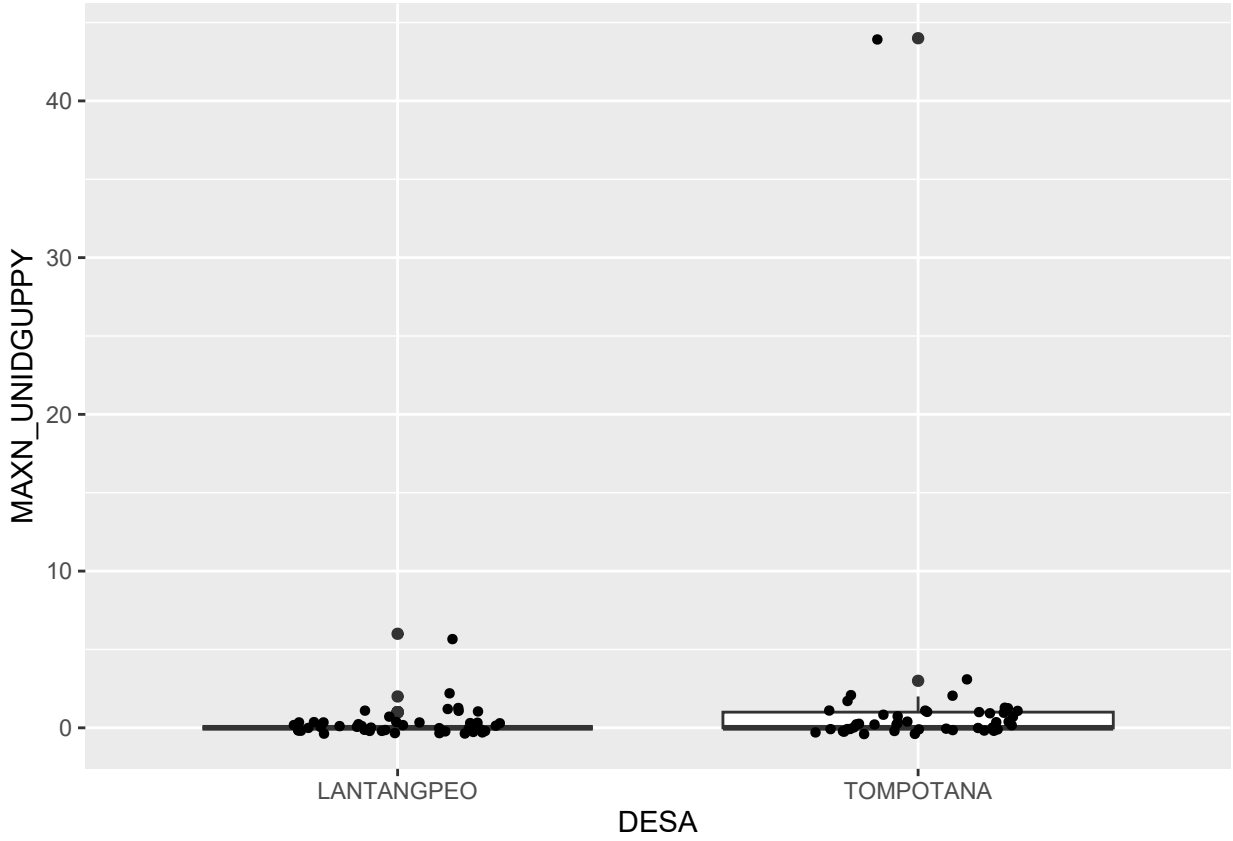
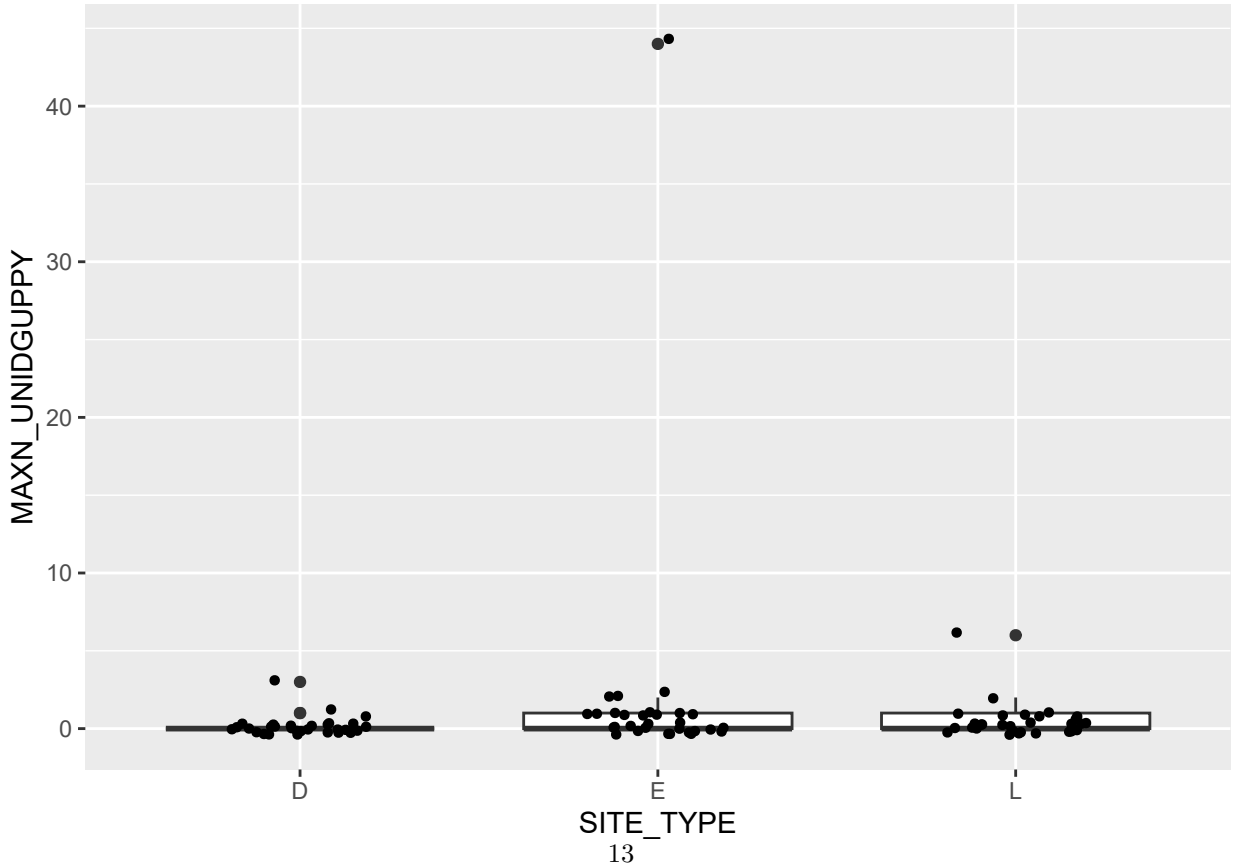
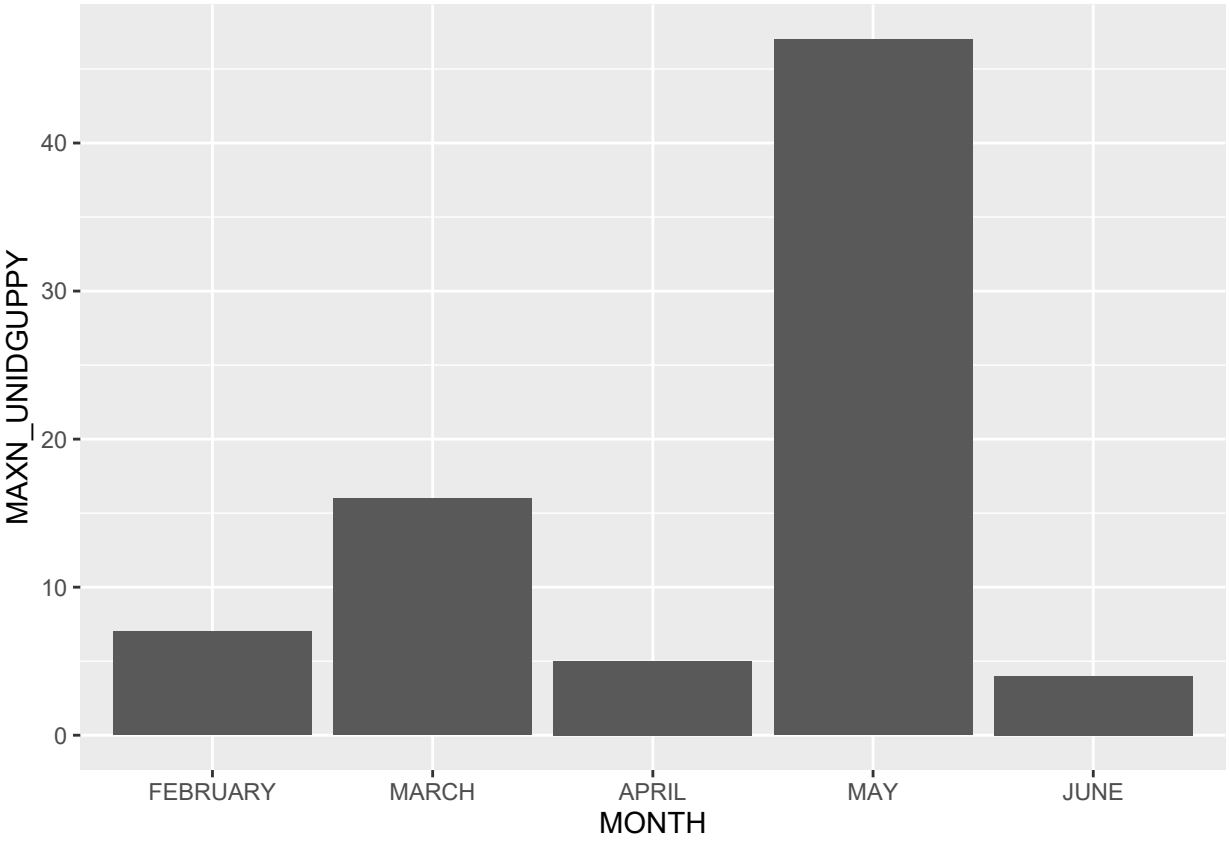
Jumlah Ikan
FEBRUARY
MARCH
APRIL
MAY
JUNE
Bulan
Dihancur
EMR
Alami


2.0
1.5
1.0
0.5
0.0
SDI
FEBRUARY
MARCH
APRIL
MAY
JUNE
Bulan
Dihancur
EMR
Alami

INDIVIDUAL SPECIES



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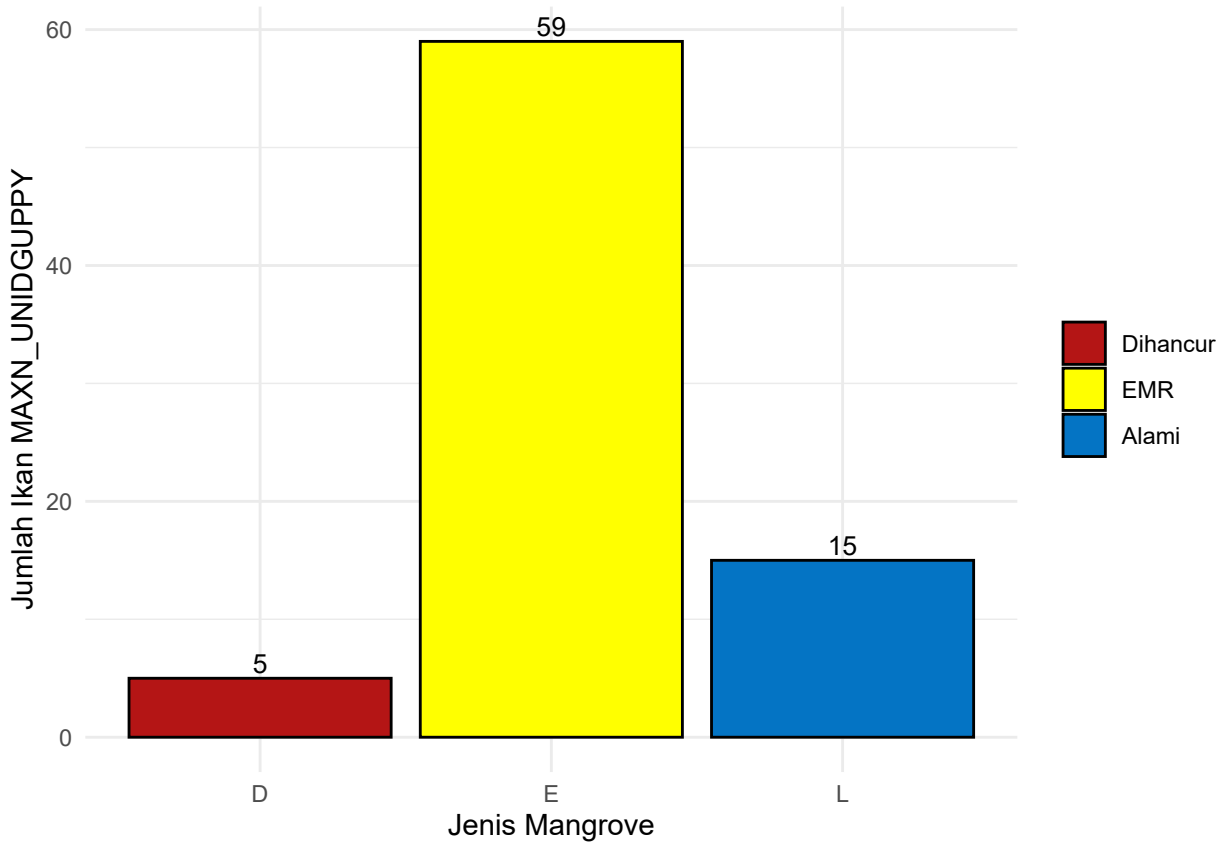
30
20
10
0
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH


60
40
20
0
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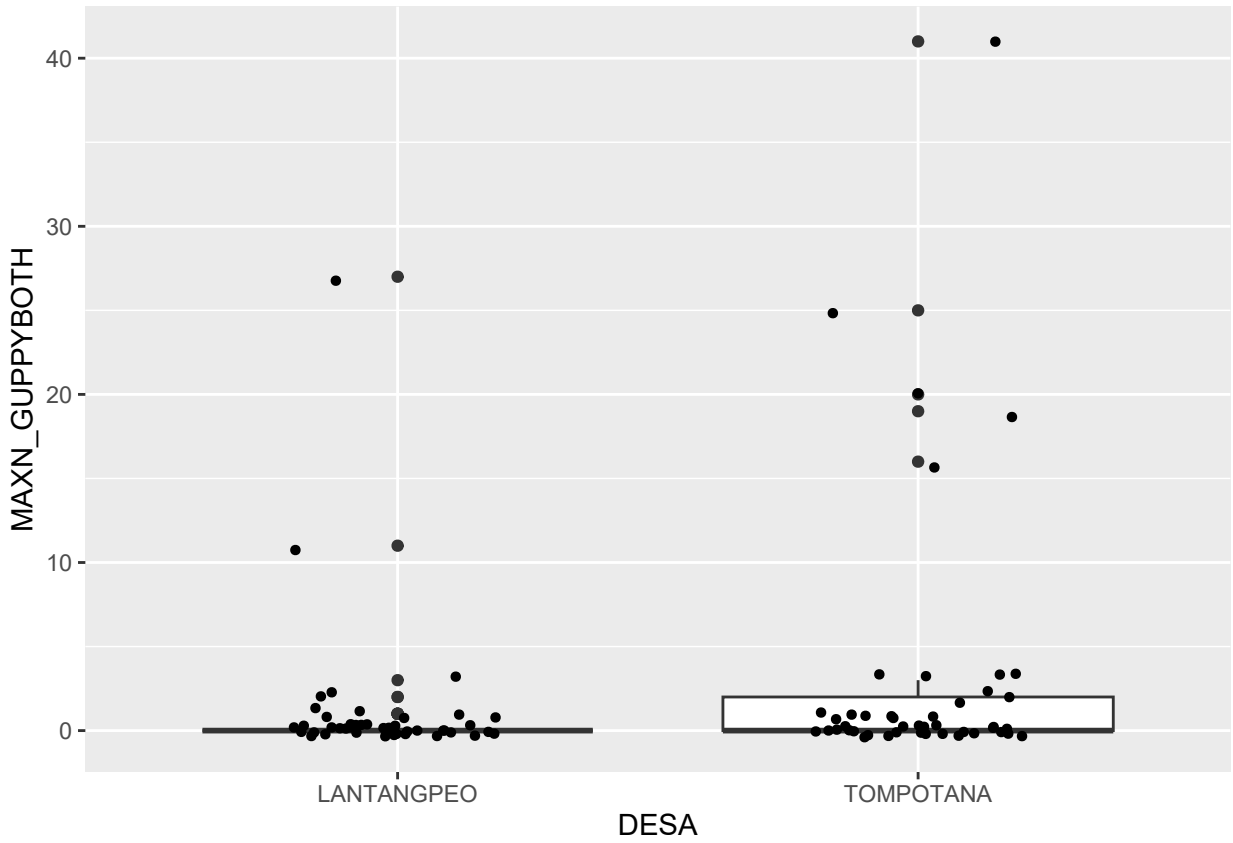
59
15
5
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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30
20
10
0
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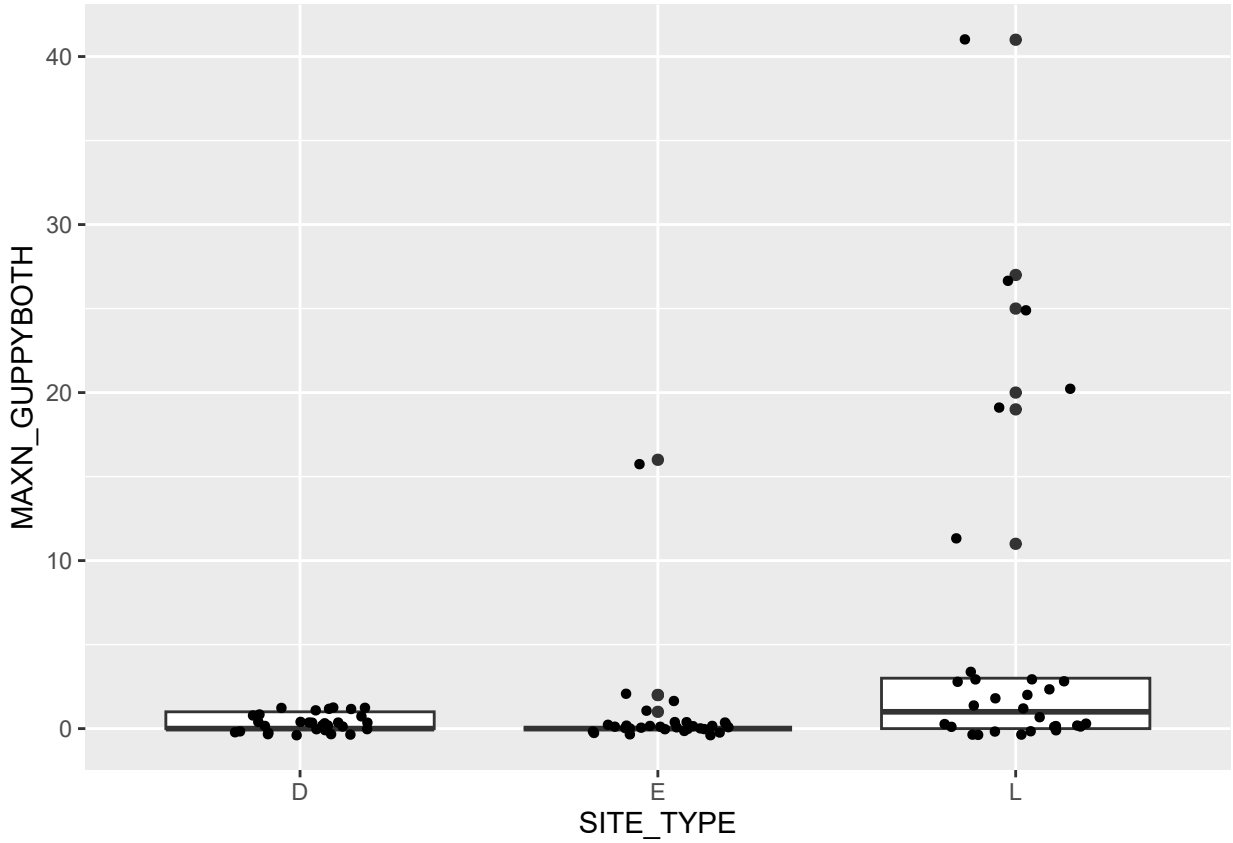
LANTANGPEO
TOMPOTANA
DESA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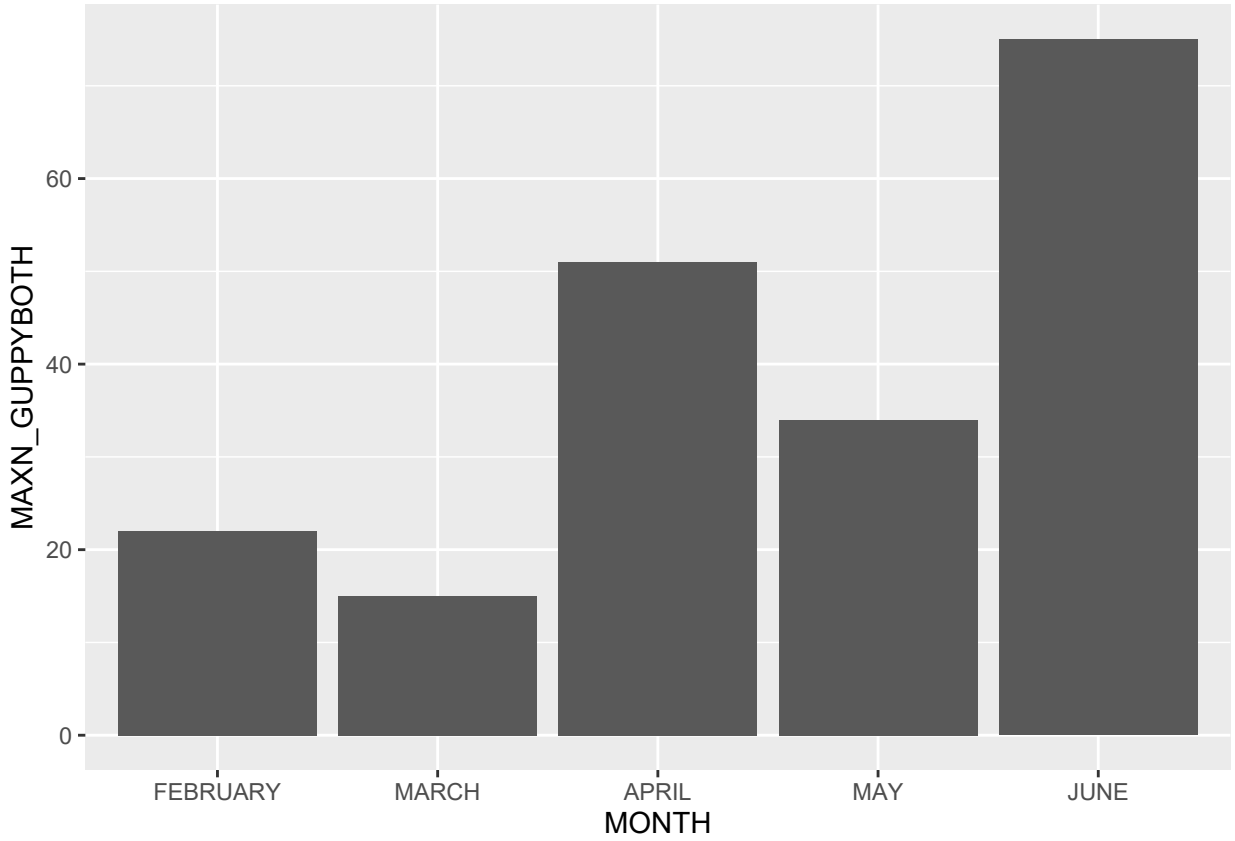
30
20
10
0
MAXN_GUPPYBOTH
D
E
L
SITE_TYPE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20
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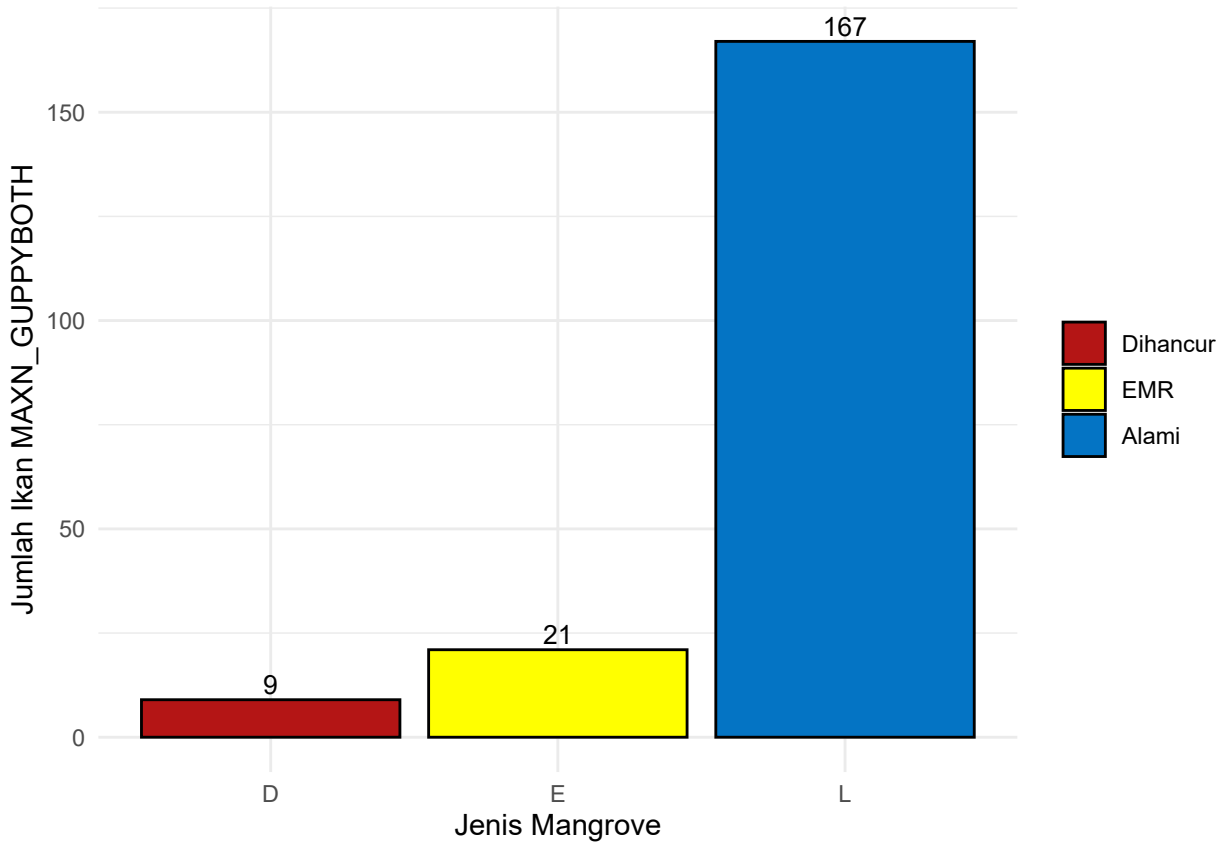
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH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50
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167
21
9
D
E
L
Jenis Mangrove
Dihancur
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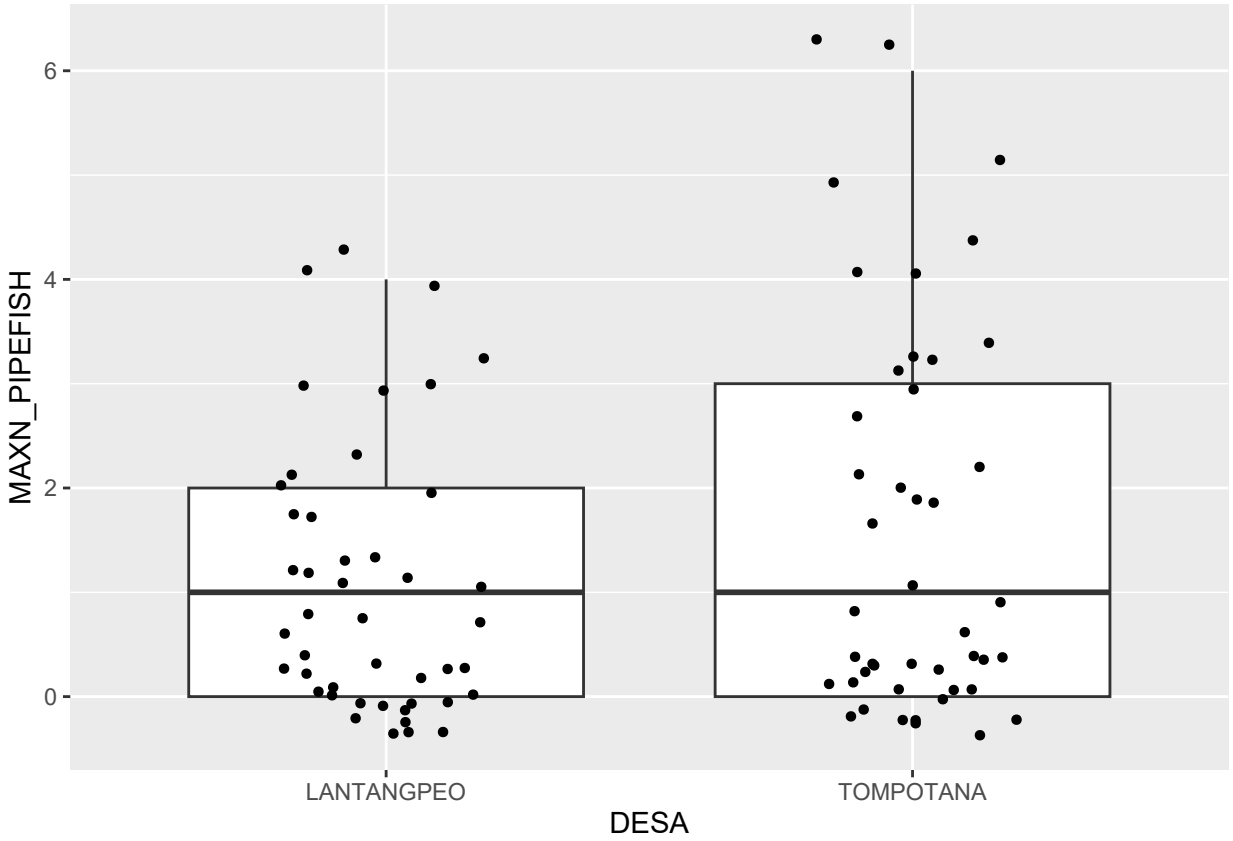
Alami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4
2
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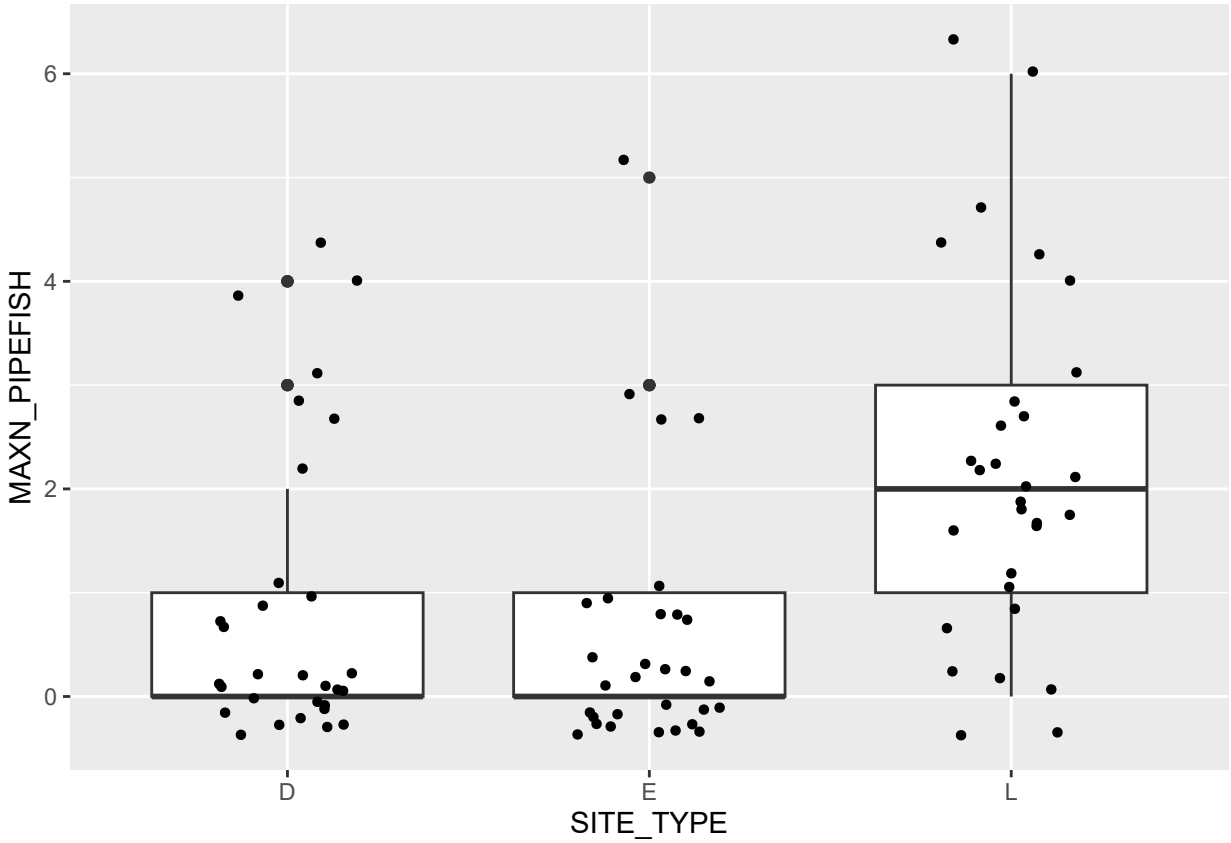
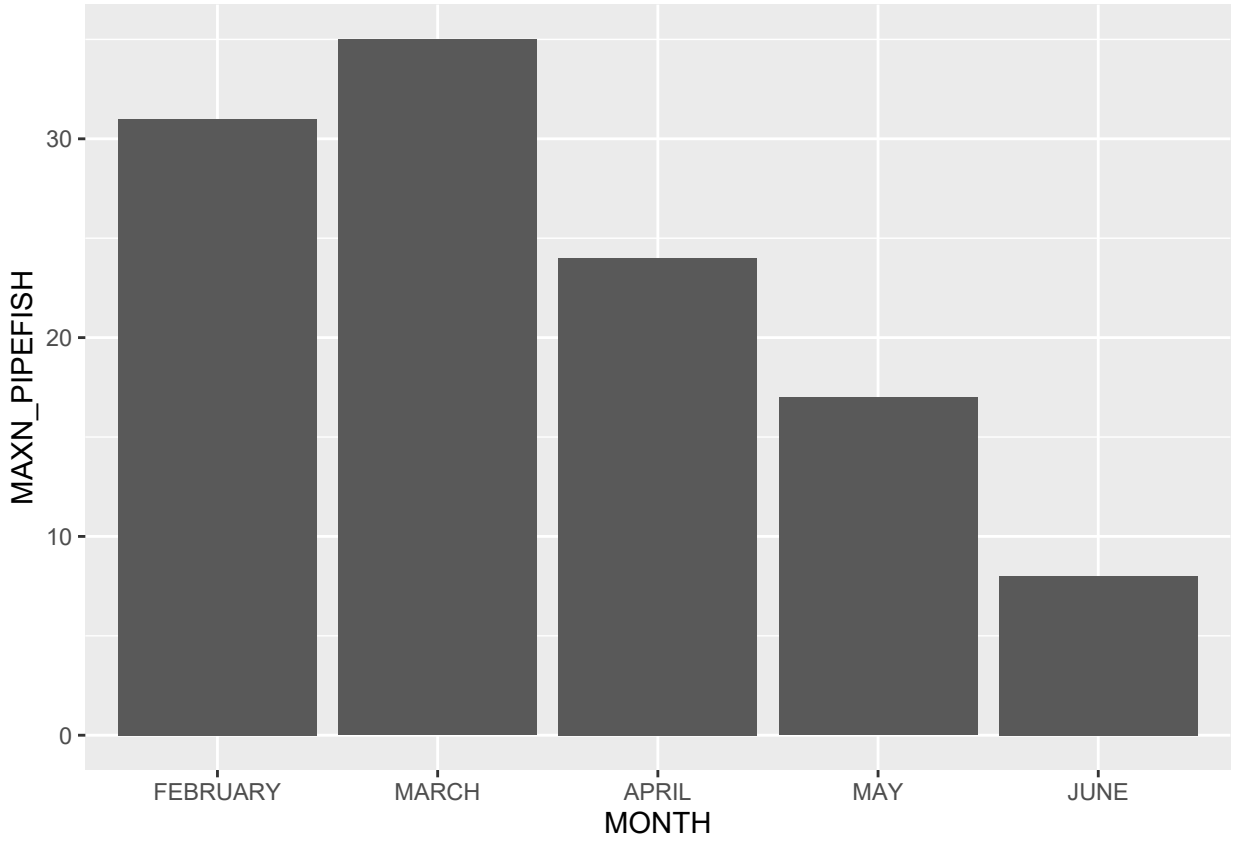
LANTANGPEO
TOMPOTANA
DESA


6
4
2
0
MAXN_PIPEFISH
D
E
L
SITE_TYPE


MAXN_PIPEFISH
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20
10
0
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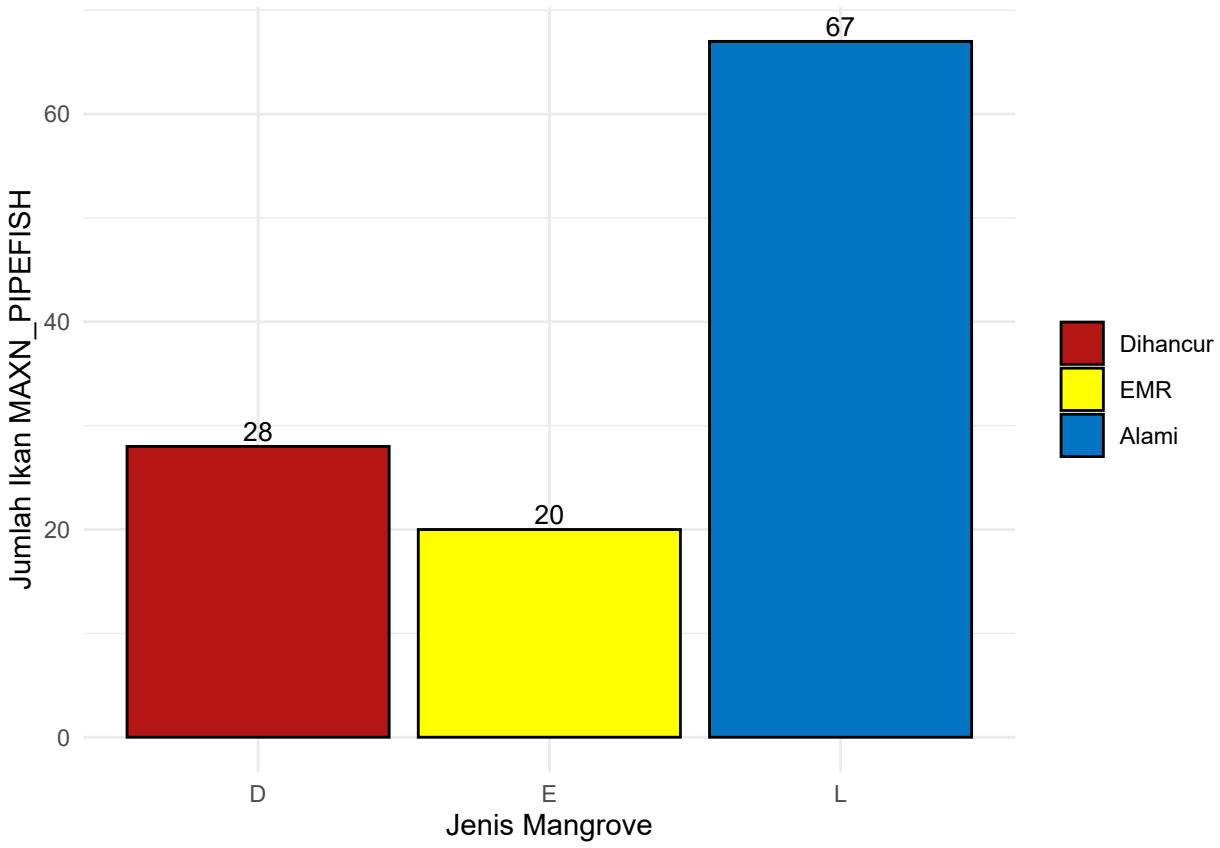
MARCH
APRIL
MAY
JUNE
MONTH


67
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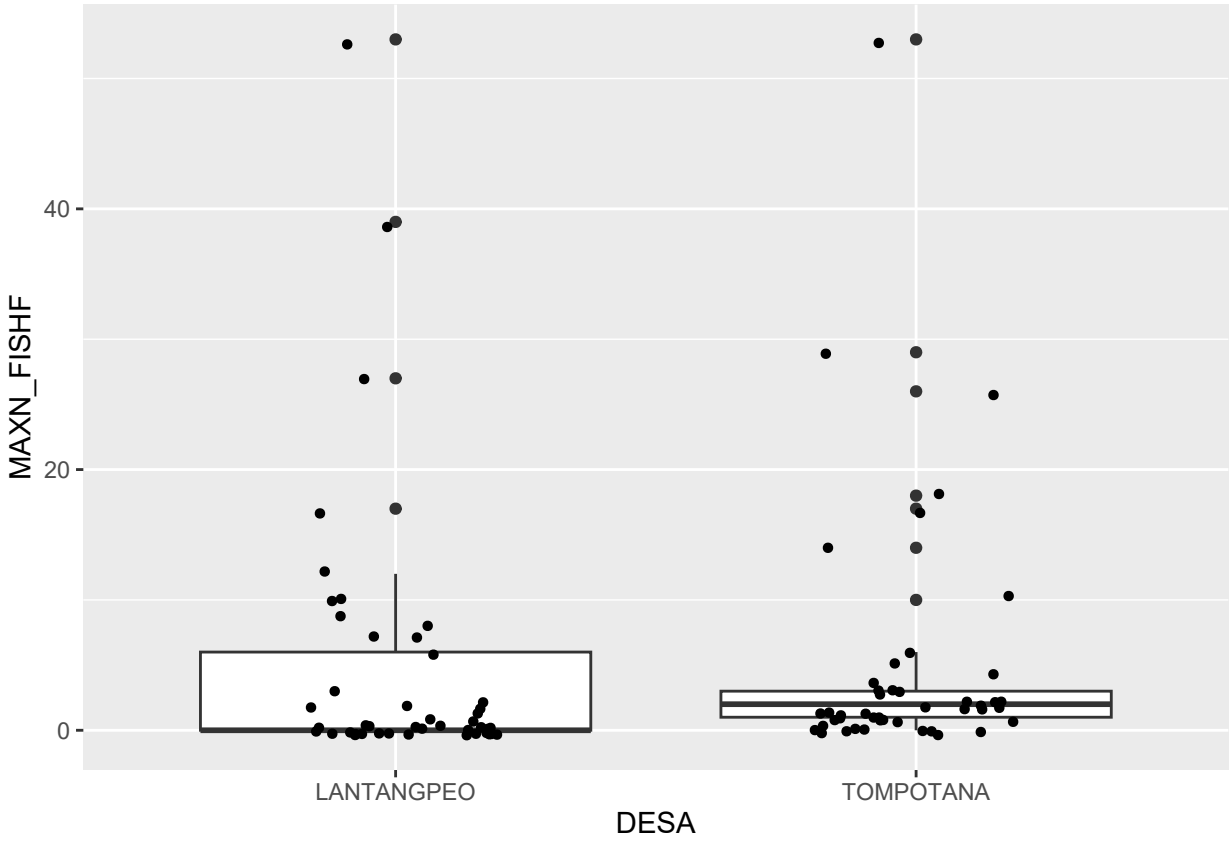
Jumlah Ikan MAXN_PIPEFISH
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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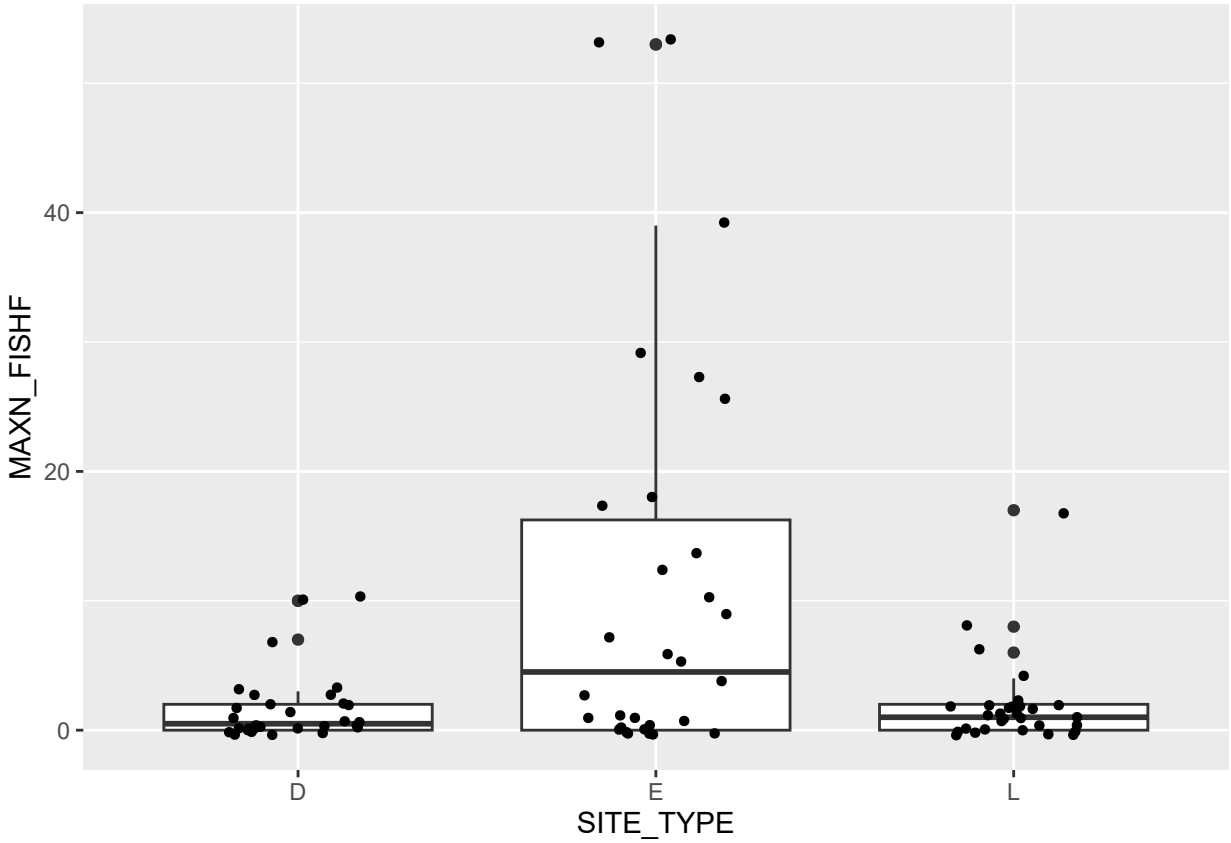
LANTANGPEO
TOMPOTANA
DESA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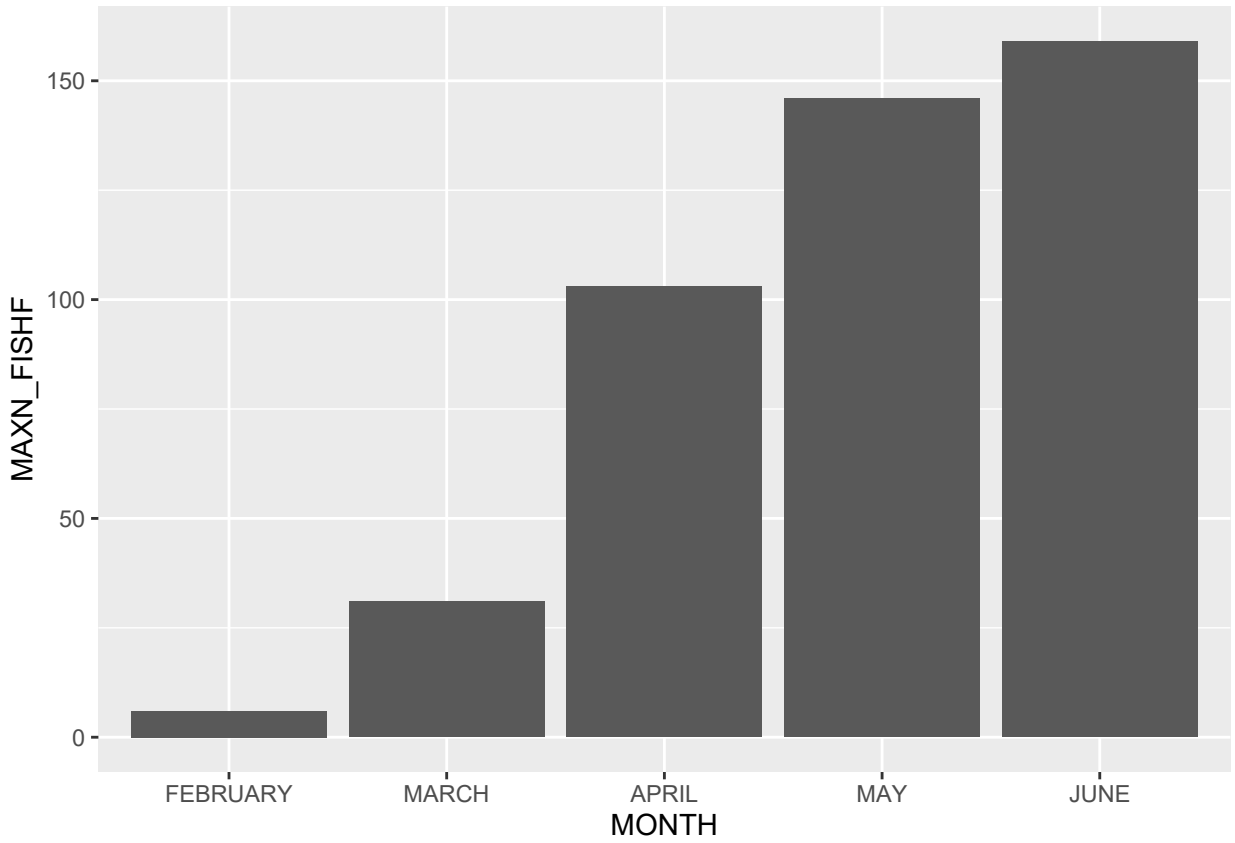
D
E
L
SITE_TYPE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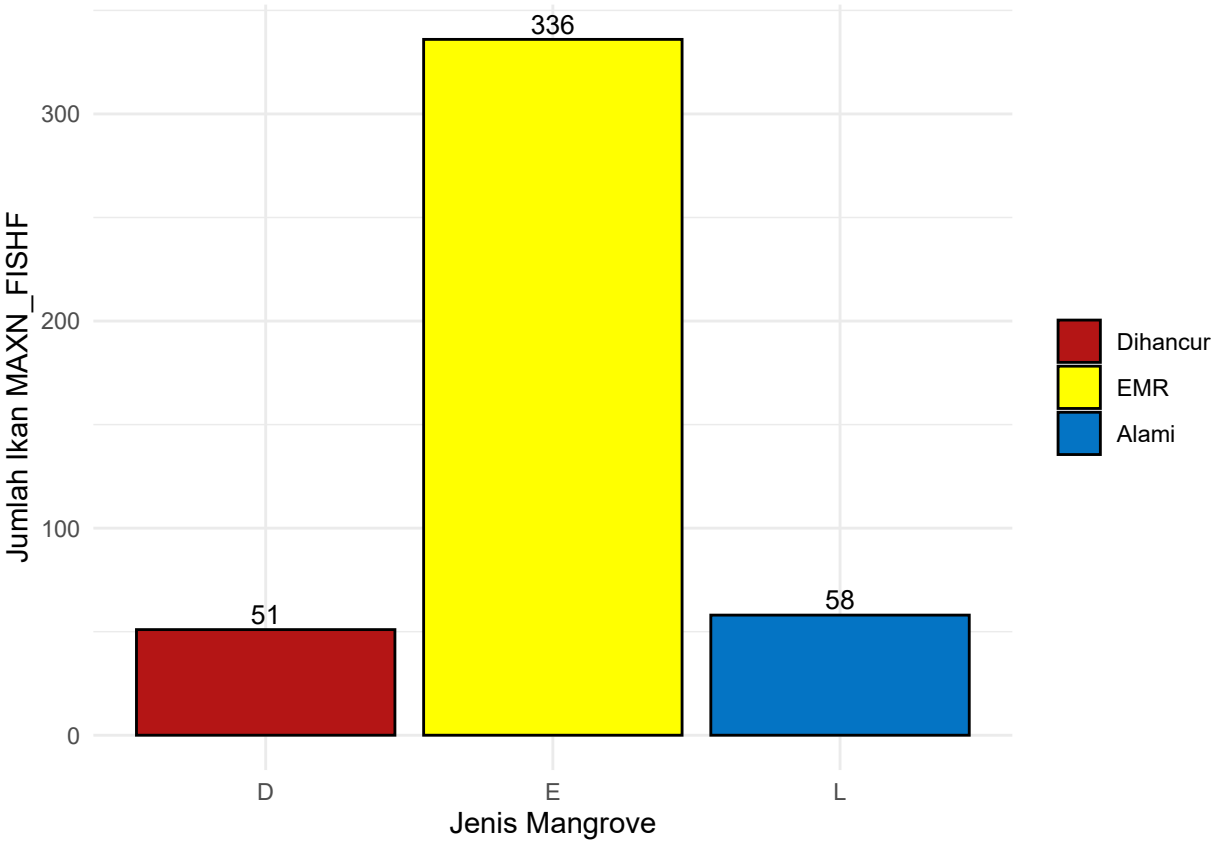
MAXN_FISHF
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH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200
100
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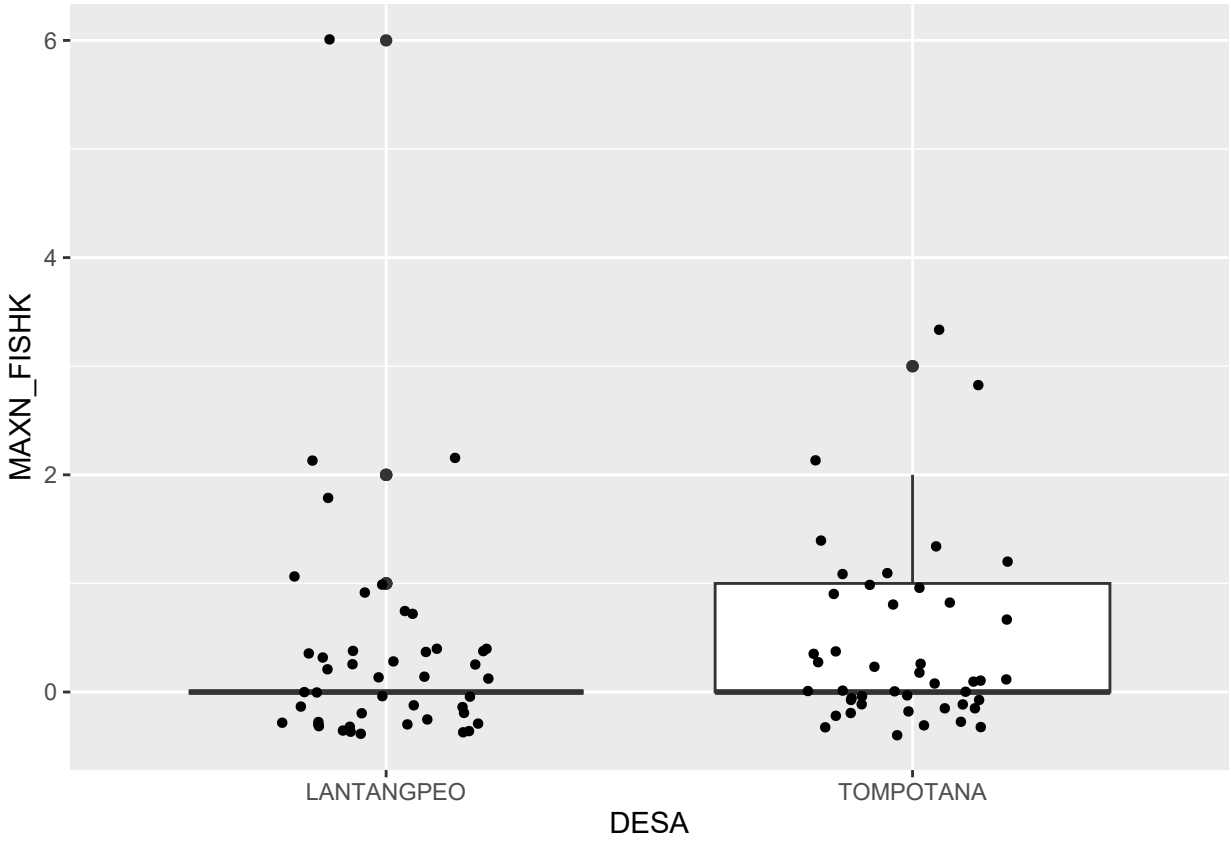
Jumlah Ikan MAXN_FISHF
51
58
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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4
2
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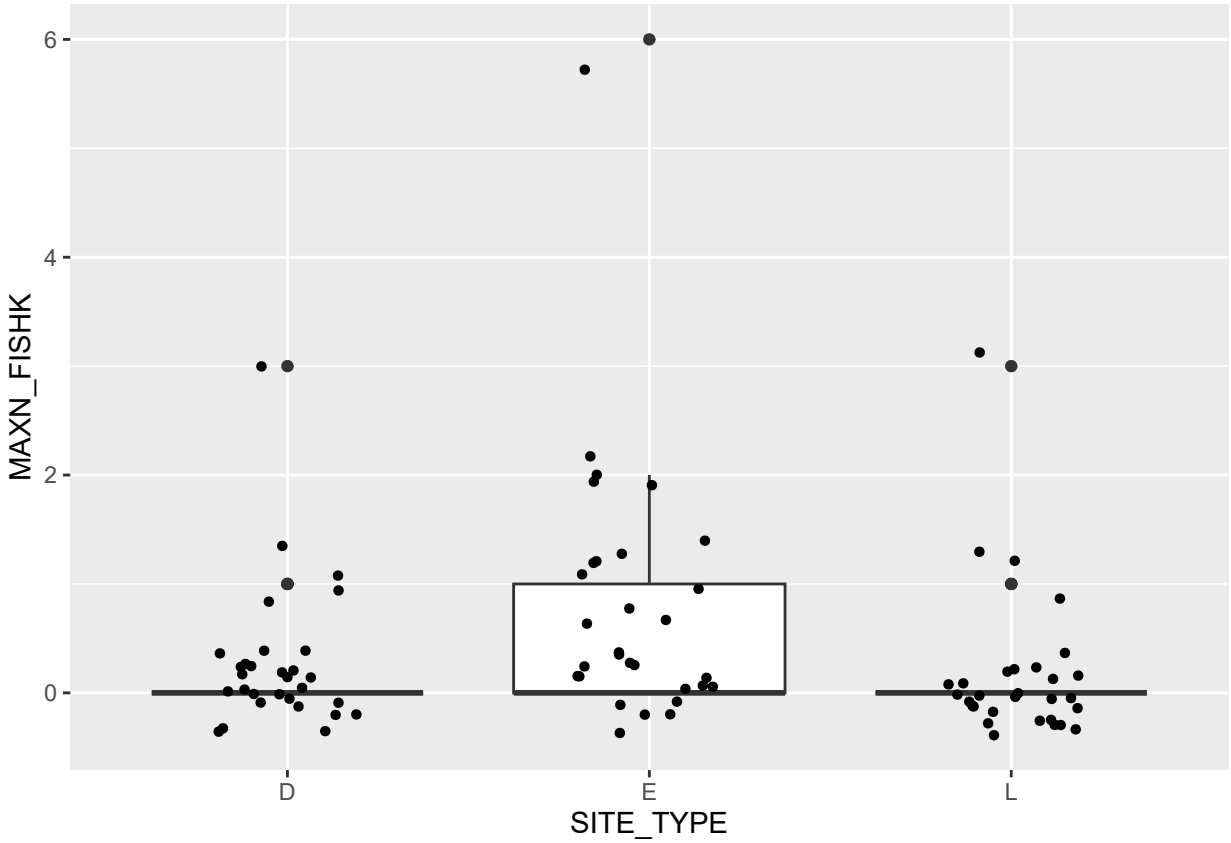
MAXN_FISHK
LANTANGPEO
TOMPOTANA
DESA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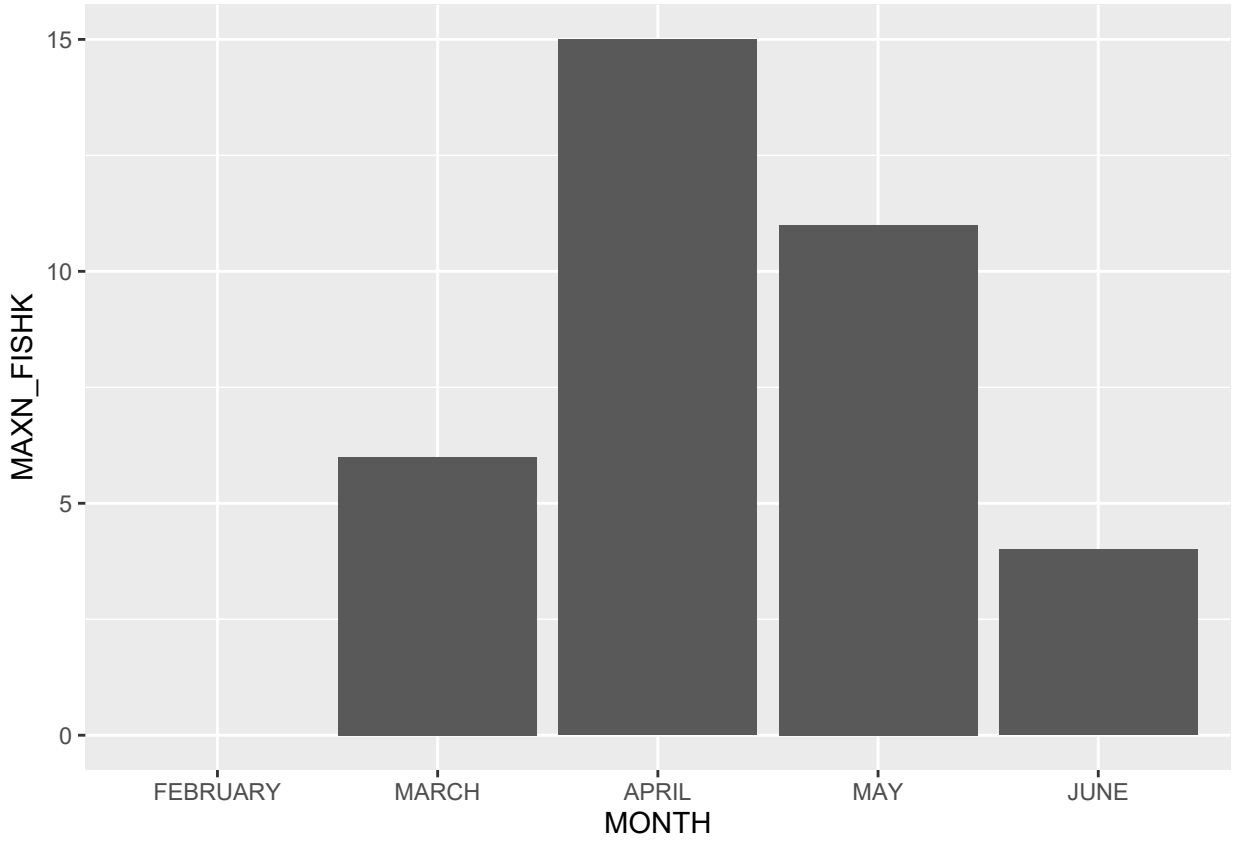
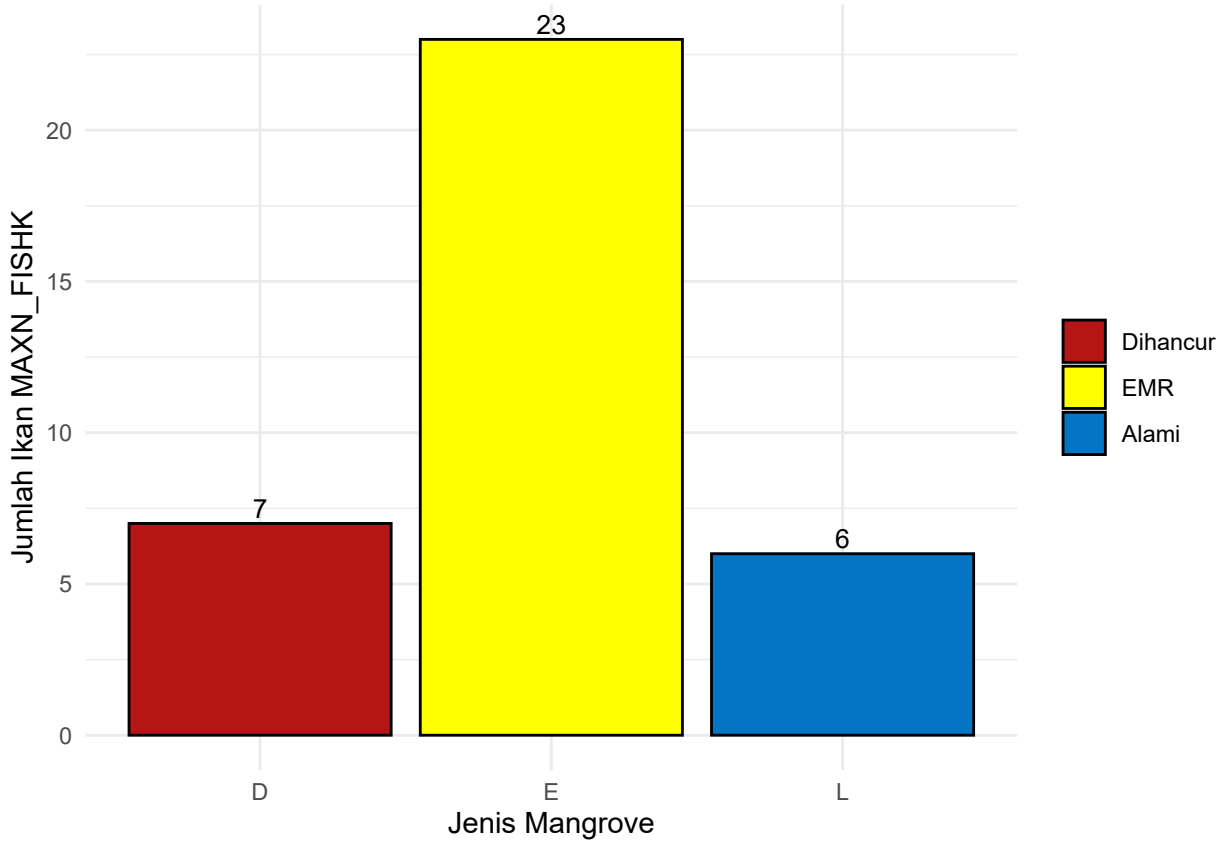
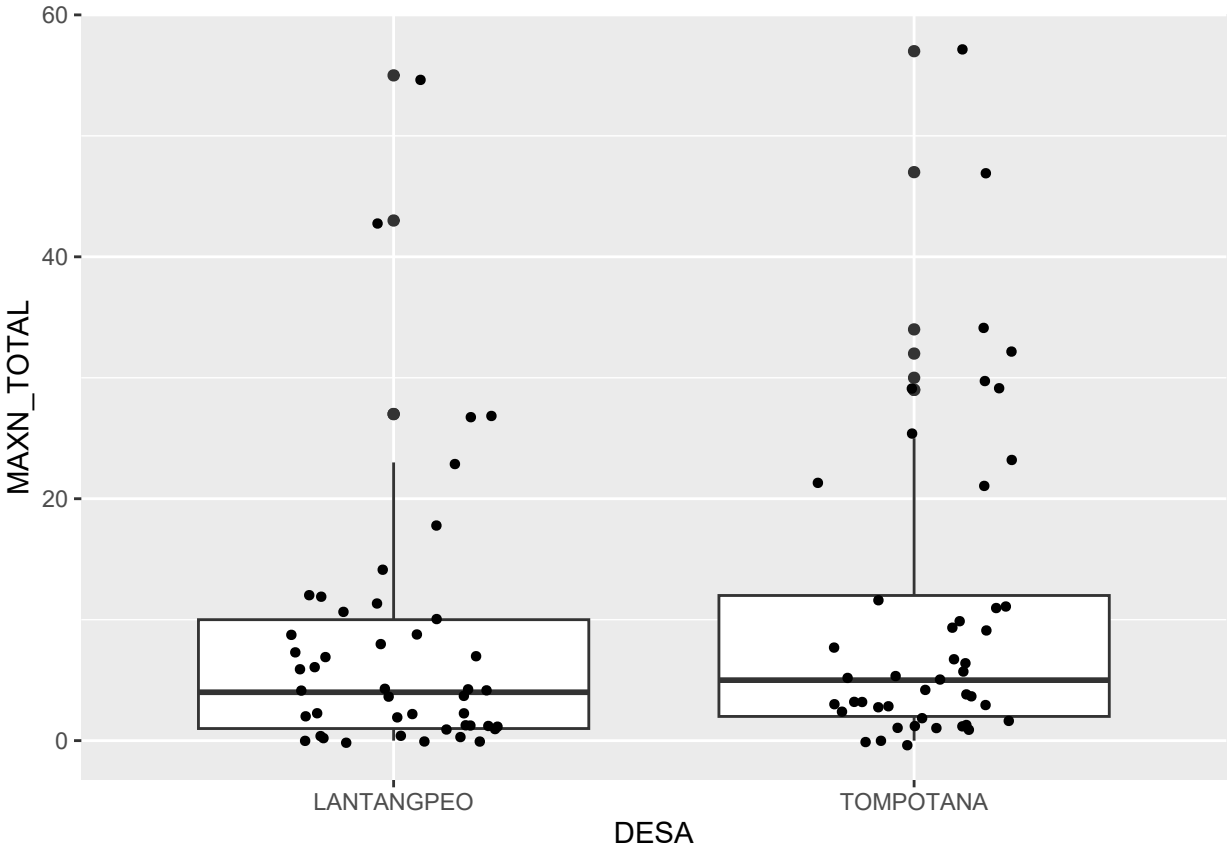
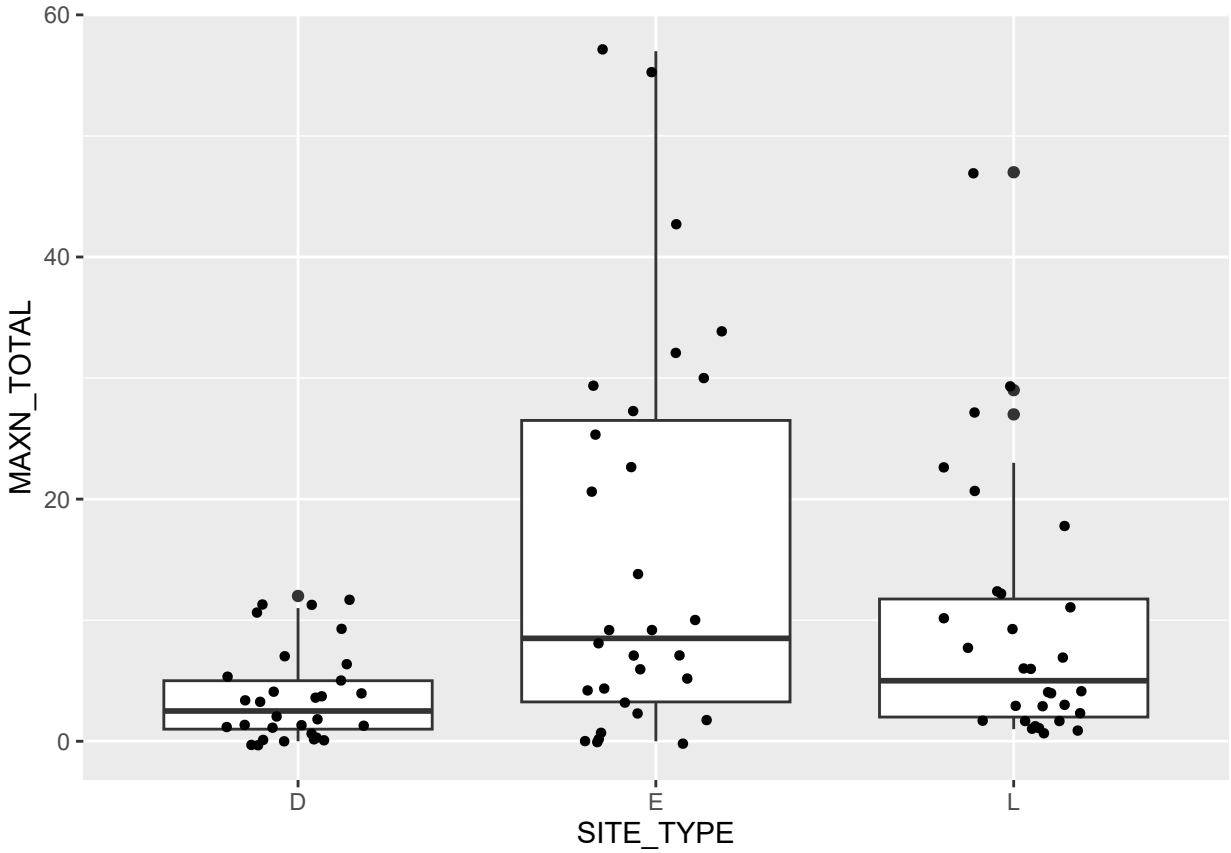
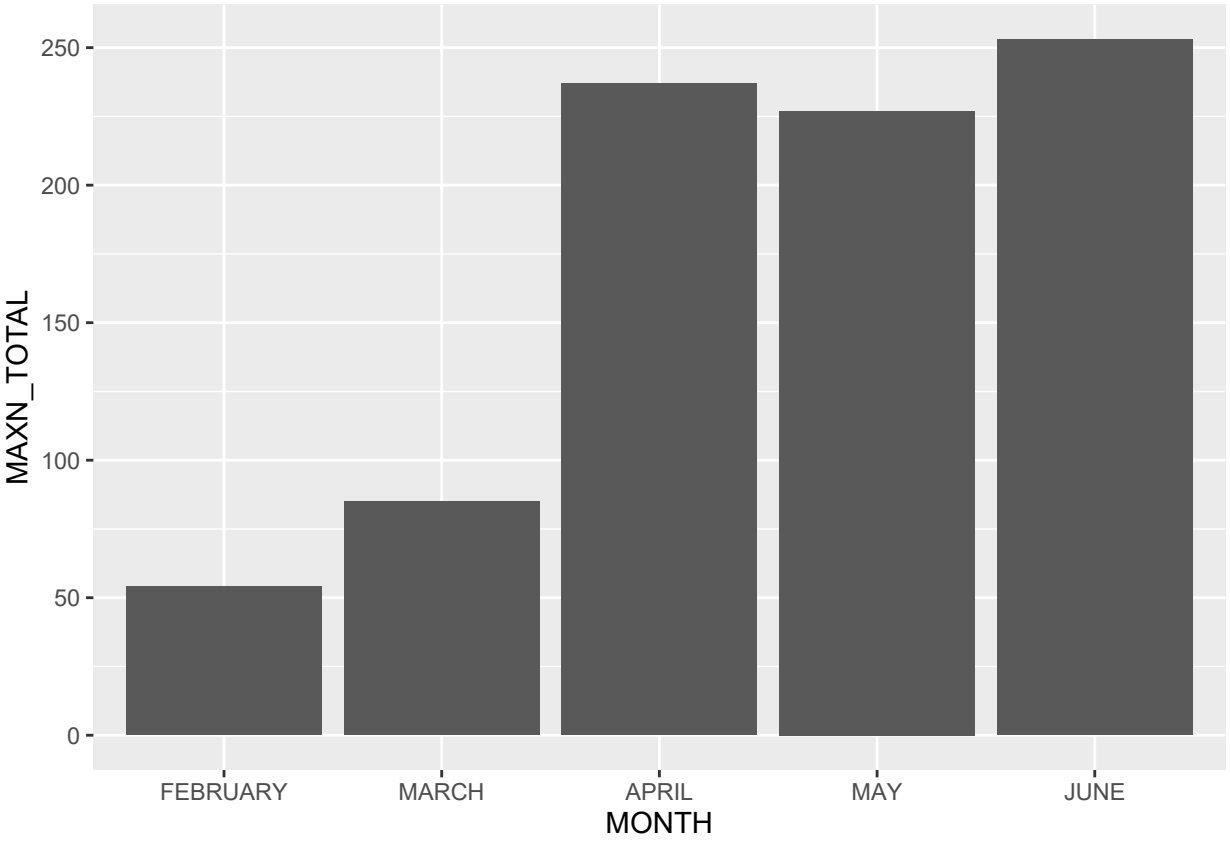
0
MAXN_FISHK
D
E
L
SITE_TYPE

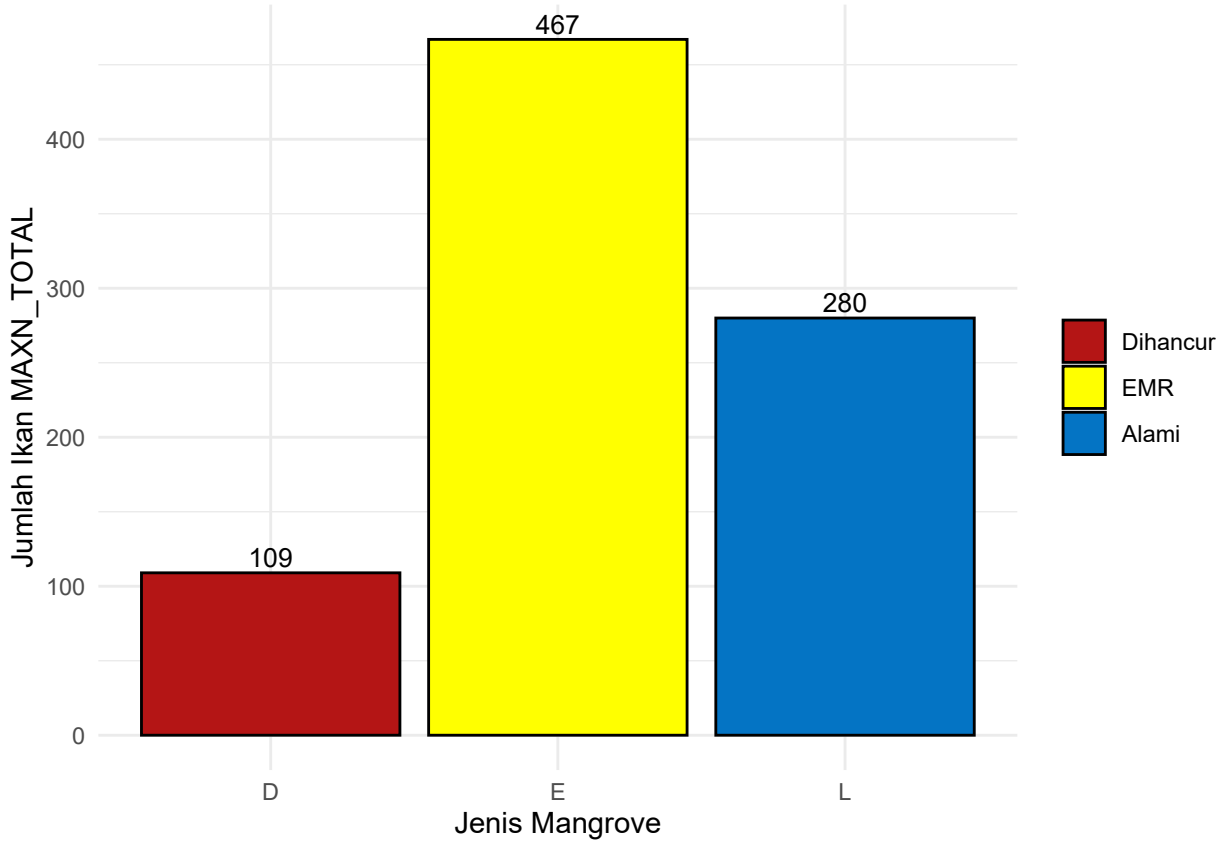

15
10
5
0
MAXN_FISHK
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH


23
20
15
10
5
0
7
6
Jumlah Ikan MAXN_FISHK
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami

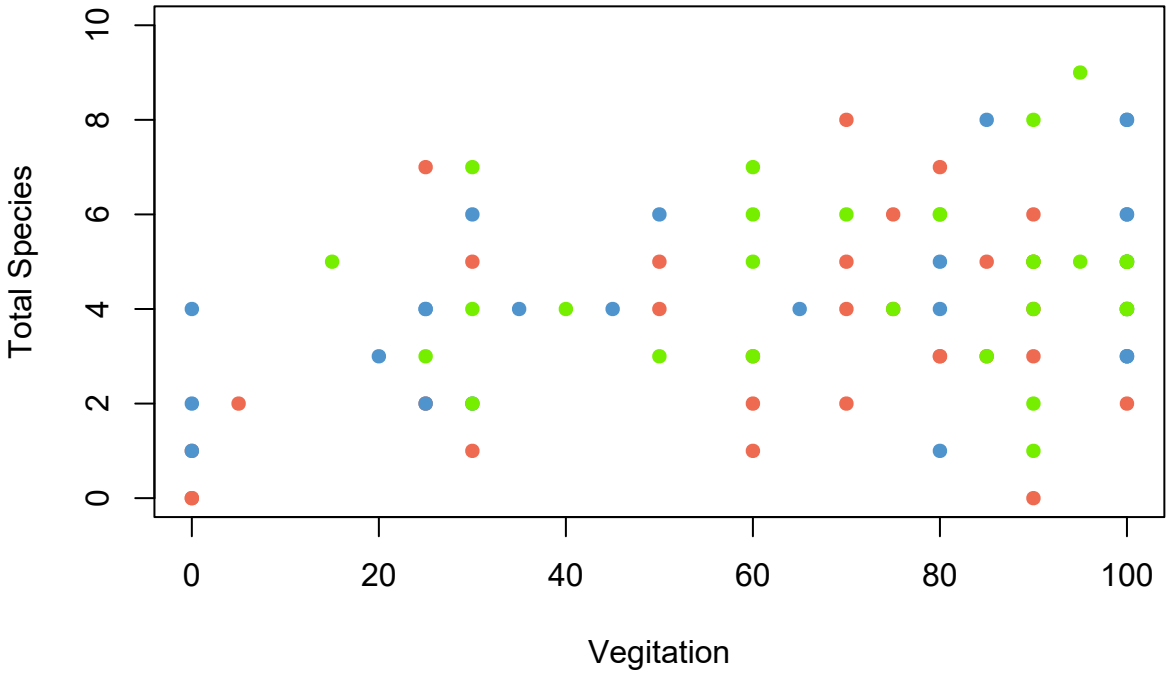

60
40
20
0
MAXN_TOTAL
LANTANGPEO
TOMPOTANA
DESA

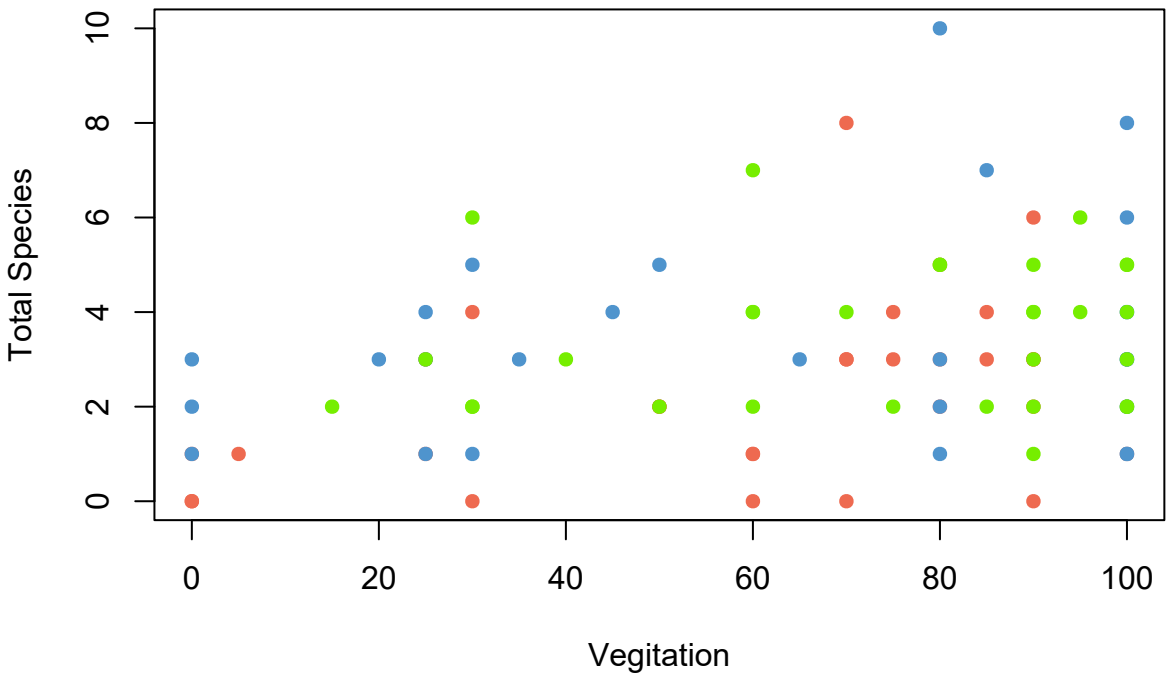

60
40
20
0
MAXN_TOTAL
D
E
L
SITE_TYPE


250
200
150
100
50
0
MAXN_TOTAL
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH


467
280
109
400
300
200
100
0
Jumlah Ikan MAXN_TOTAL
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami

QUALITY CHECKS




Total Species
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4
6
8
10
0
20
40
60
80
100
Vegitation