

**PRAKTIKUM ALGORITMA**

**BAB FUNGSI**



**DI SUSUN OLEH:**

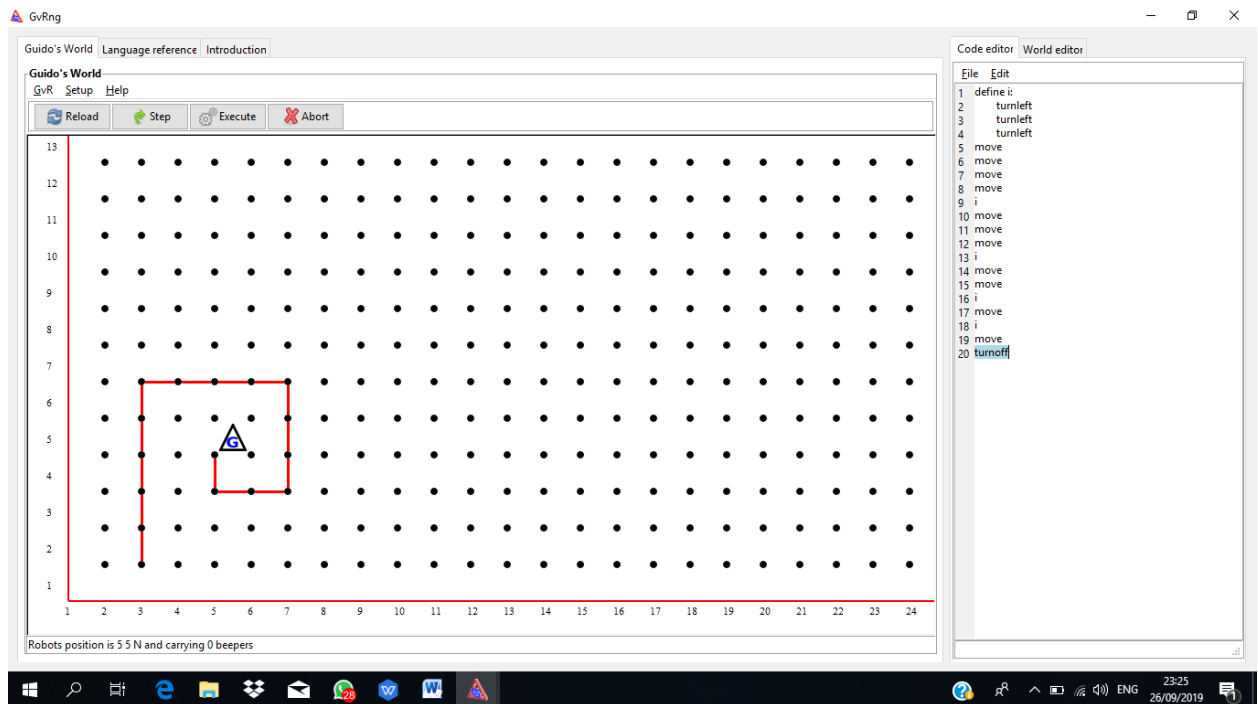
**LABIB MAJID (L200190174)**

**PRODI INFORMATIKA**

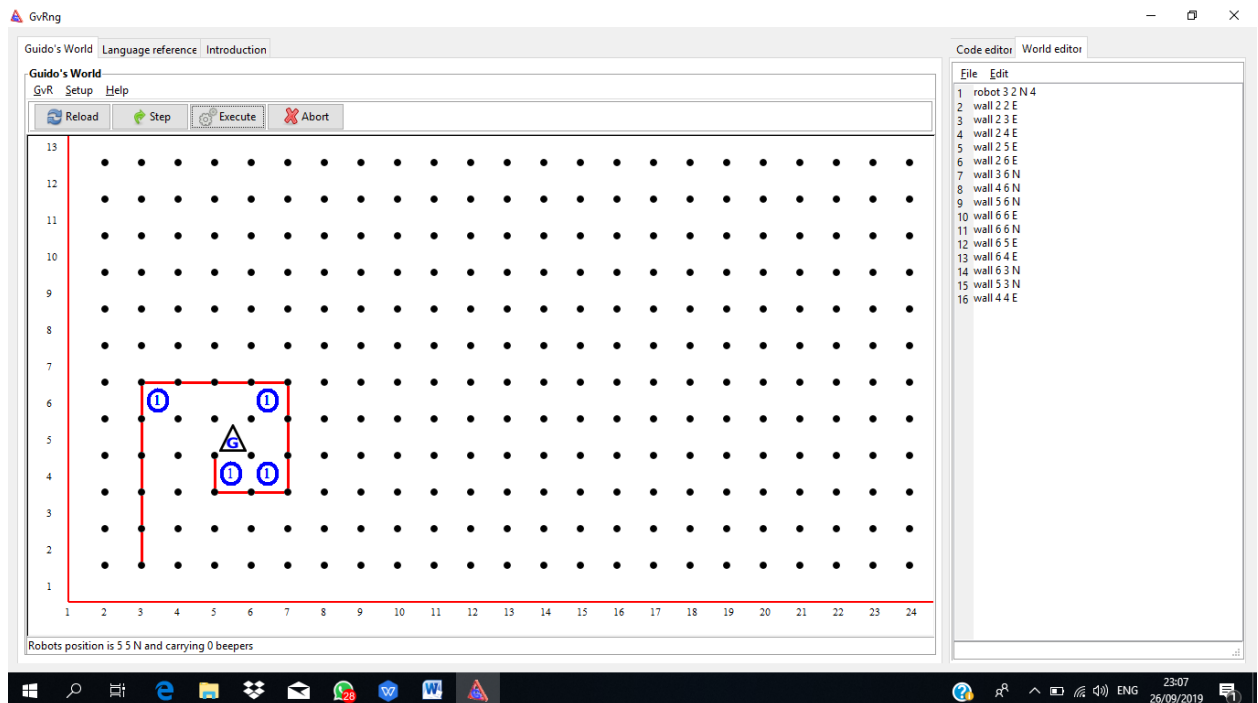
**FAKULTAS ILMU KOMUNIKASI DAN INFORMATIKA**

**UNIVERSITAS MUHAMMADIYAH SURAKARTA TAHUN 2019**

## KEGIATAN 1. Membuat instruksi baru



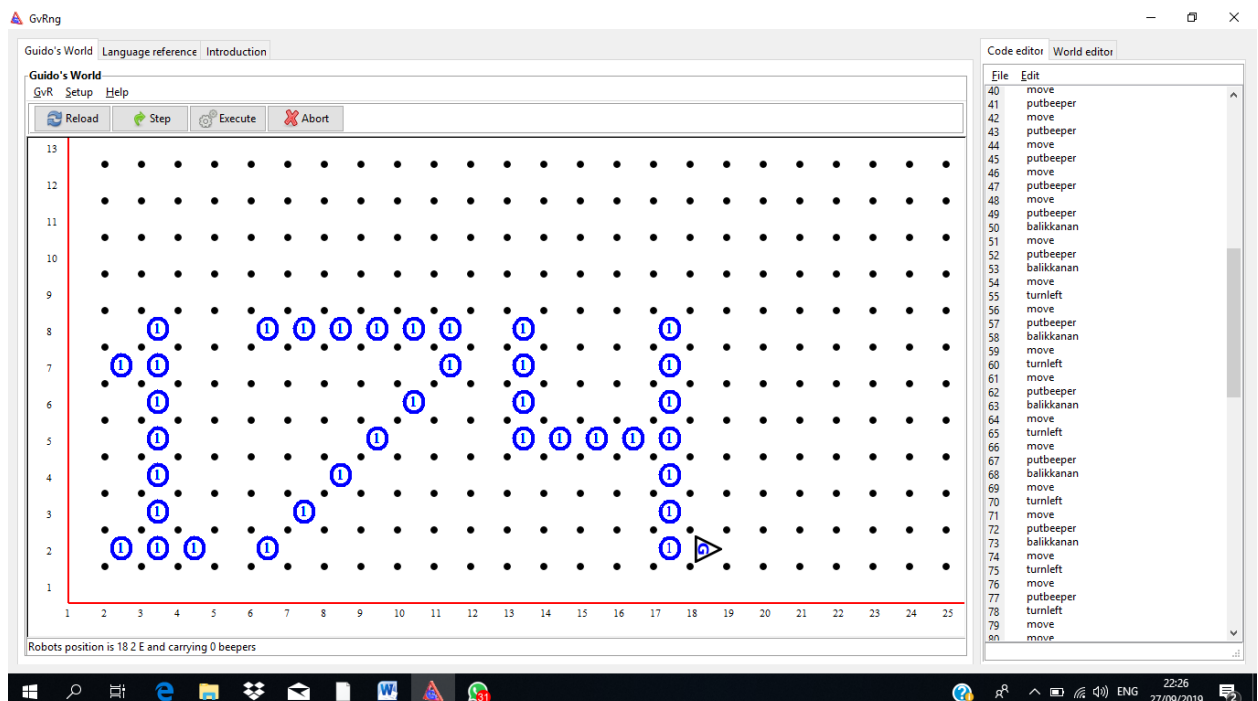
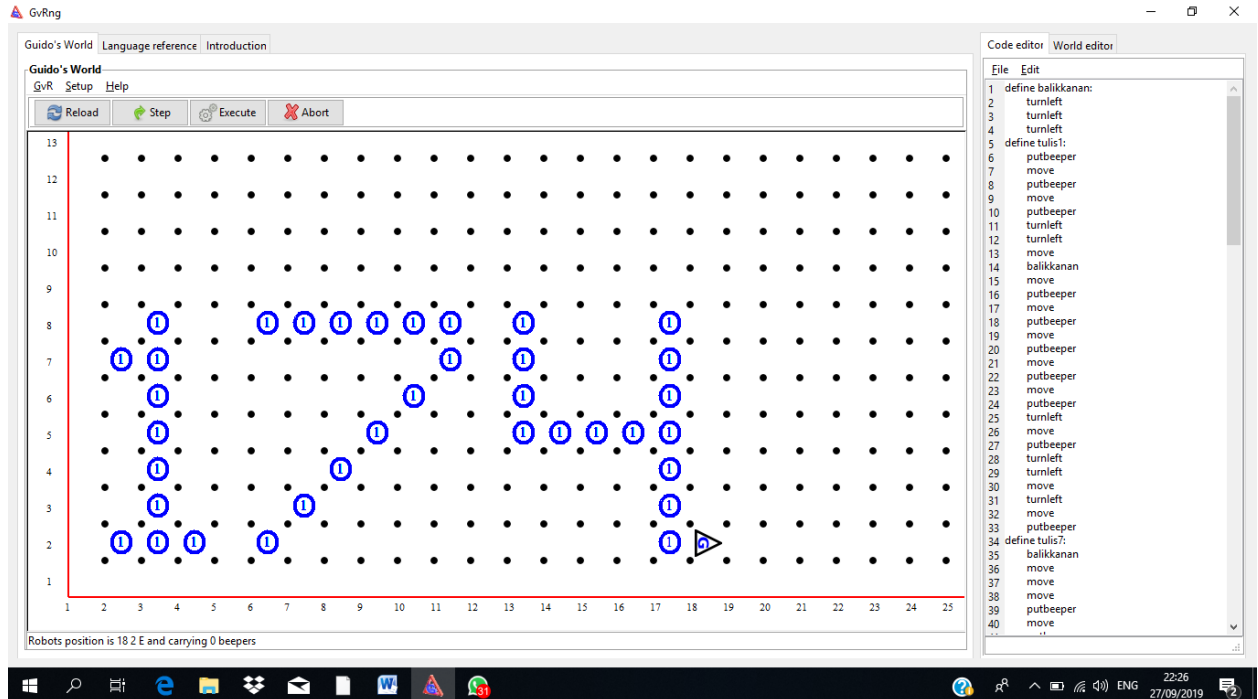
## KEGIATAN 2. Melakukan pekerjaan yang sama



### KEGIATAN 3. Mengelompokkan pekerjaan

Jumlah beeper yang dibutuhkan : 36

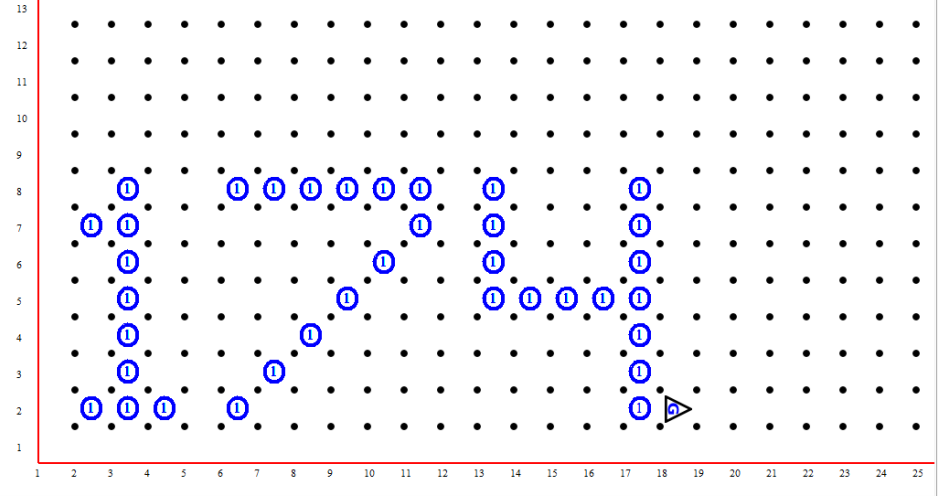
Jumlah baris perintah yang dibutuhkan : 135



Guido's World Language reference Introduction

Guido's World  
GvR Setup Help

Reload Step Execute Abort



Robots position is 18 2 E and carrying 0 beepers

Code editor World editor

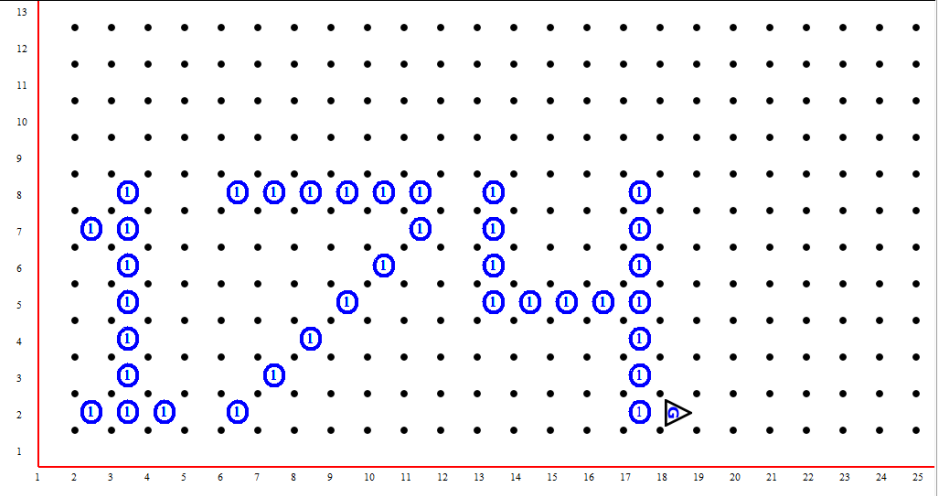
File Edit

```
80 move
81 move
82 move
83 move
84 move
85 turnleft
86 move
87 move
88 move
89 move
90 move
91 move
92 define tulisi:
93   balikkanan
94   move
95   putbeeper
96   balikkanan
97   move
98   putbeeper
99   move
100  putbeeper
101  move
102  putbeeper
103  turnleft
104  move
105  putbeeper
106  move
107  putbeeper
108  move
109  putbeeper
110  move
111  putbeeper
112  turnleft
113  move
114  putbeeper
115  move
116  putbeeper
117  move
118  putbeeper
119  turnleft
120
```

Guido's World Language reference Introduction

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Robots position is 18 2 E and carrying 0 beepers

Code editor World editor

File Edit

```
101 move
102 putbeeper
103 turnleft
104 move
105 putbeeper
106 move
107 putbeeper
108 move
109 putbeeper
110 move
111 putbeeper
112 turnleft
113 move
114 putbeeper
115 move
116 putbeeper
117 move
118 putbeeper
119 turnleft
120 turnleft
121 move
122 move
123 move
124 move
125 putbeeper
126 move
127 putbeeper
128 move
129 putbeeper
130 turnleft
131 move
132 turnoff
133
134
135
136
137
138
139tulisi1
140tulisi7
141tulisi4
```

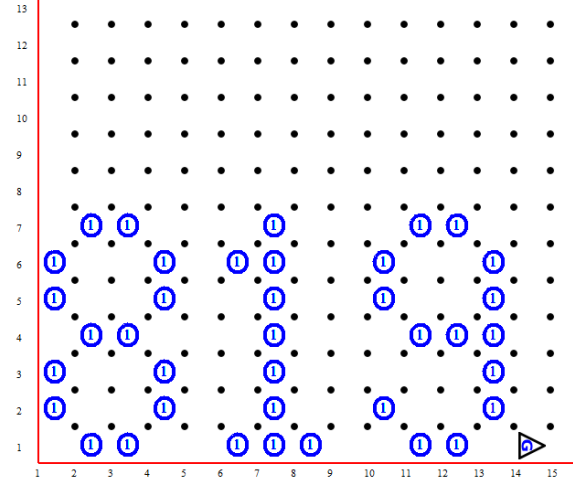
## KEGUNAAN FUNGSI Menuliskan angka 819

GvRng

Guido's World Language reference Introduction

Guido's World  
GvR Setup Help

Reload Step Execute Abort



Robots position is 14 1 E and carrying 0 beepers

Code editor World editor

File Edit

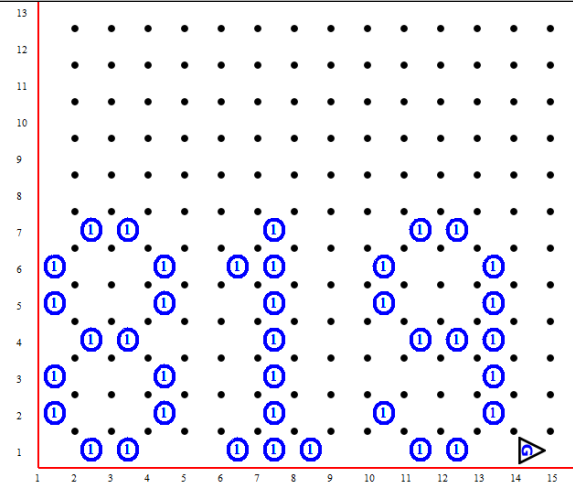
```
1 define hadapkanan:
2   turnleft
3   turnleft
4   turnleft
5   define balik:
6     turnleft
7     turnleft
8   define geraklatak:
9     move
10    putbeeper
11  define move6:
12    move
13    move
14    move
15    move
16    move
17    move
18  define tulis8:
19    move
20    putbeeper
21    move
22    putbeeper
23    move
24    move
25    putbeeper
26    move
27    putbeeper
28    move
29    hadapkanan
30    move
31    putbeeper
32    move
33    putbeeper
34    move
35    hadapkanan
36    move
37    putbeeper
38    move
39    putbeeper
40    move
```

GvRng

Guido's World Language reference Introduction

Guido's World  
GvR Setup Help

Reload Step Execute Abort



Robots position is 14 1 E and carrying 0 beepers

Code editor World editor

File Edit

```
40 move
41 hadapkanan
42 move
43 putbeeper
44 move
45 putbeeper
46 balik
47 move
48 move
49 hadapkanan
50 move
51 putbeeper
52 move
53 putbeeper
54 move
55 hadapkanan
56 move
57 putbeeper
58 move
59 putbeeper
60 balik
61 move
62 move
63 move
64 define tulis1:
65   move
66   putbeeper
67   move
68   putbeeper
69   move
70   putbeeper
71   balik
72   move
73   hadapkanan
74   move
75   putbeeper
76   move
77   putbeeper
78   move
79   putbeeper
80   move
```

GvRng

Guido's World Language reference Introduction

Guido's World

GvR Setup Help

Reload Step Execute Abort

Robots position is 14 1 E and carrying 0 beepers

Code editor World editor

File Edit

```

80 move
81 putbeeper
82 move
83 putbeeper
84 turnleft
85 move
86 putbeeper
87 hadapkanan
88 move
89 hadapkanan
90 move
91 putbeeper
92 move
93 move
94 define tulis8:
95   move
96   hadapkanan
97   gerakletak
98   gerakletak
99   move
100  move
101  gerakletak
102  move
103  turnleft
104  gerakletak
105  turnleft
106  move
107  move
108  gerakletak
109  move
110  move
111  gerakletak
112  hadapkanan
113  gerakletak
114  hadapkanan
115  move
116  move
117  gerakletak
118  move
119  move
120  gerakletak

```

Windows taskbar: 20:04 25/09/2019

GvRng

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GvR Setup Help

Reload Step Execute Abort

Robots position is 14 1 E and carrying 0 beepers

Code editor World editor

File Edit

```

97 gerakletak
98 gerakletak
99 move
100 move
101 gerakletak
102 move
103 turnleft
104 gerakletak
105 turnleft
106 move
107 move
108 gerakletak
109 move
110 move
111 gerakletak
112 hadapkanan
113 gerakletak
114 hadapkanan
115 move
116 move
117 gerakletak
118 move
119 move
120 gerakletak
121 turnleft
122 move
123 turnleft
124 gerakletak
125 gerakletak
126 gerakletak
127 gerakletak
128 gerakletak
129 move
130 balik
131 move6
132 turnleft
133 move
134 tulis8
135 tulis1
136 tulis9
137 turnoff

```

Windows taskbar: 20:04 25/09/2019

## KEGIATAN 6. Robot yang berfungsi

