

ALGORITMA DAN PEMROGRAMAN
FUNGSI



Oleh :

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INFORMATIKA

FAKULTAS KOMUNIKASI DAN INFORMATIKA

UNIVERSITAS MUHAMMADIYAH SURAKARTA

2019

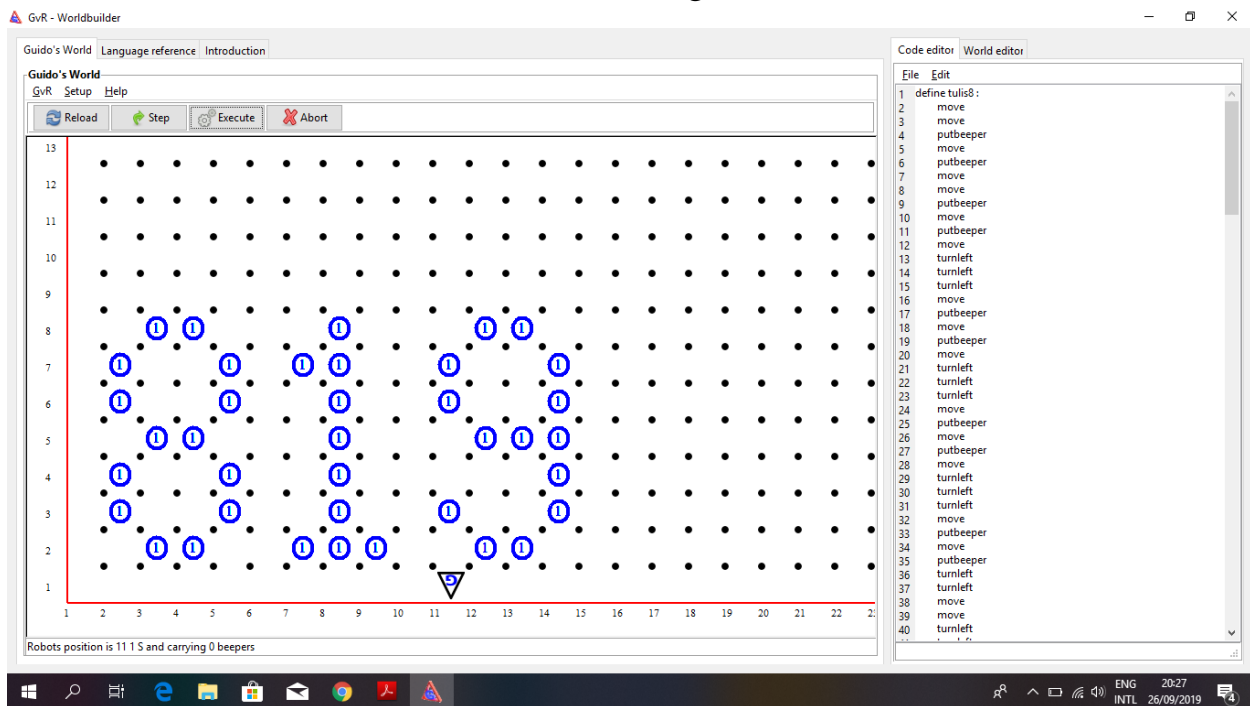
NIM : L200190086 Nama : Kirana Dewi Nama asisten : Salmaa Khoirun Nisaa' Tanggal praktikum : 26 September 2019	Nilai praktek : Tanda tangan :
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Kegiatan 4 :

Jumlah beeper pada program saya : 38 buah

Jumlah baris instruksi pada program sesuai template : 185 buah

Berikut adalah screenshot dari window GvRng



setelah program dijalankan :

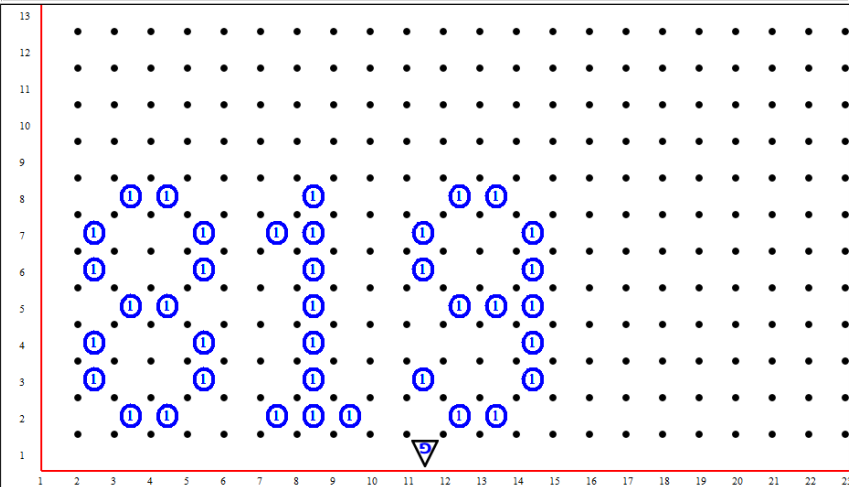
Gr - Worldbuilder

Guido's World Language reference Introduction

Guido's World

Gr Setup Help

Reload Step Execute Abort



Robots position is 11 1 S and carrying 0 beepers

Code editor World editor

```
File Edit
24
40 turnleft
41 turnleft
42 turnleft
43 move
44 putbeeper
45 move
46 putbeeper
47 move
48 turnleft
49 turnleft
50 turnleft
51 move
52 putbeeper
53 move
54 putbeeper
55 move
56 turnleft
57 move
58 turnleft
59 move
60 move
61 move
62 move
63 move
64 turnleft
65 define tulip1:
66   move
67   putbeeper
68   turnleft
69   turnleft
70   turnleft
71   move
72   putbeeper
73   move
74   putbeeper
75   turnleft
76   turnleft
77   move
78   turnleft
79   turnleft
```

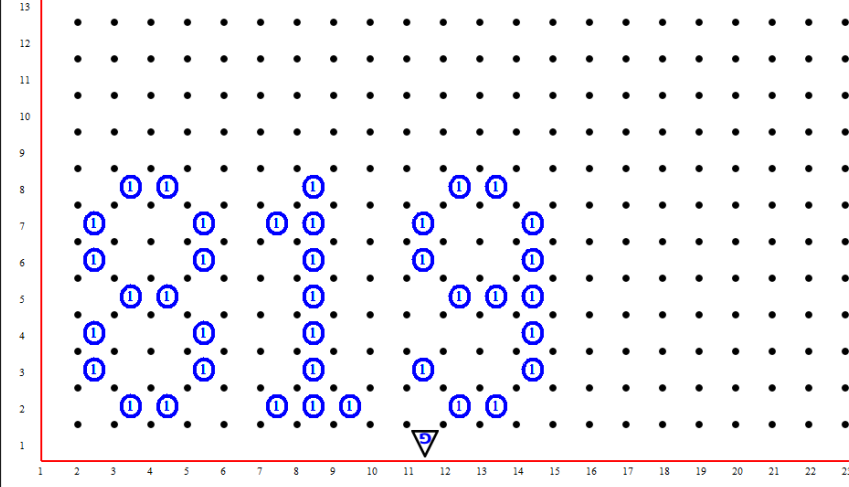
Gr - Worldbuilder

Guido's World Language reference Introduction

Guido's World

Gr Setup Help

Reload Step Execute Abort



Robots position is 11 1 S and carrying 0 beepers

Code editor World editor

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

GvR - Worldbuilder

Guido's World | Language reference | Introduction

Guido's World

GvR | Setup | Help

Reload | Step | Execute | Abort

Robots position is 11 1 S and carrying 0 beepers

Code editor | World editor

```
File Edit
118 move
119 turnleft
120define tulis9:
121 move
122 move
123 putbeeper
124 turnleft
125 turnleft
126 move
127 turnleft
128 move
129 putbeeper
130 move
131 putbeeper
132 move
133 turnleft
134 move
135 putbeeper
136 move
137 putbeeper
138 move
139 putbeeper
140 turnleft
141 move
142 putbeeper
143 move
144 putbeeper
145 move
146 turnleft
147 turnleft
148 move
149
150 putbeeper
151 move
152 putbeeper
153 move
154 turnleft
155 turnleft
156 turnleft
157 move
```

GvR - Worldbuilder

Guido's World | Language reference | Introduction

Guido's World

GvR | Setup | Help

Reload | Step | Execute | Abort

Robots position is 11 1 S and carrying 0 beepers

Code editor | World editor

```
File Edit
147 turnleft
148 turnleft
149 move
150 putbeeper
151 move
152 putbeeper
153 move
154 turnleft
155 turnleft
156 turnleft
157 move
158 putbeeper
159 move
160 putbeeper
161 move
162 turnleft
163 turnleft
164 turnleft
165 move
166 putbeeper
167 move
168 putbeeper
169 move
170 move
171 move
172 move
173 turnleft
174 turnleft
175 turnleft
176 move
177 move
178 move
179 turnleft
180 move
181
182tulis8
183tulis1
184tulis9
185turnoff
```

GvR - Worldbuilder

Guido's World

Language referenceIntroduction

Guido's World

GvRSetupHelp

Reload

Step

Execute

Abort

13

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Robots position is 11 1 S and carrying 0 beepers

Code editorWorld editor

FileEdit

1 robot 2 1 N 38

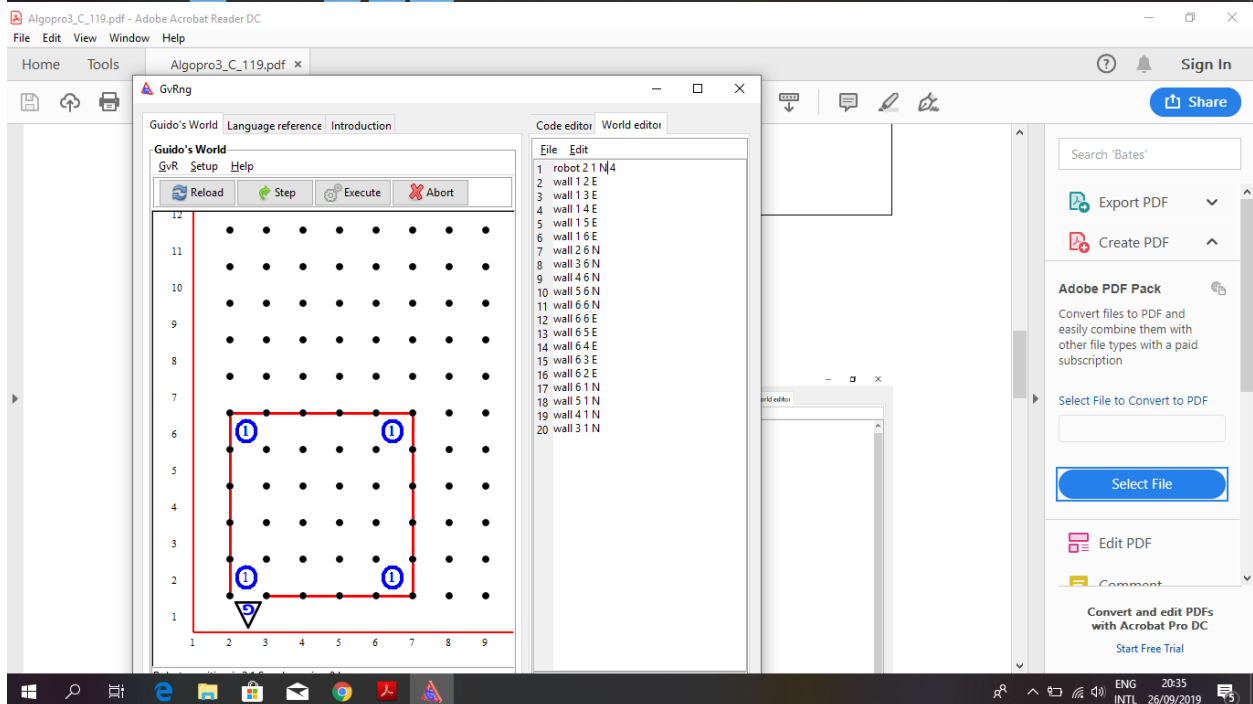
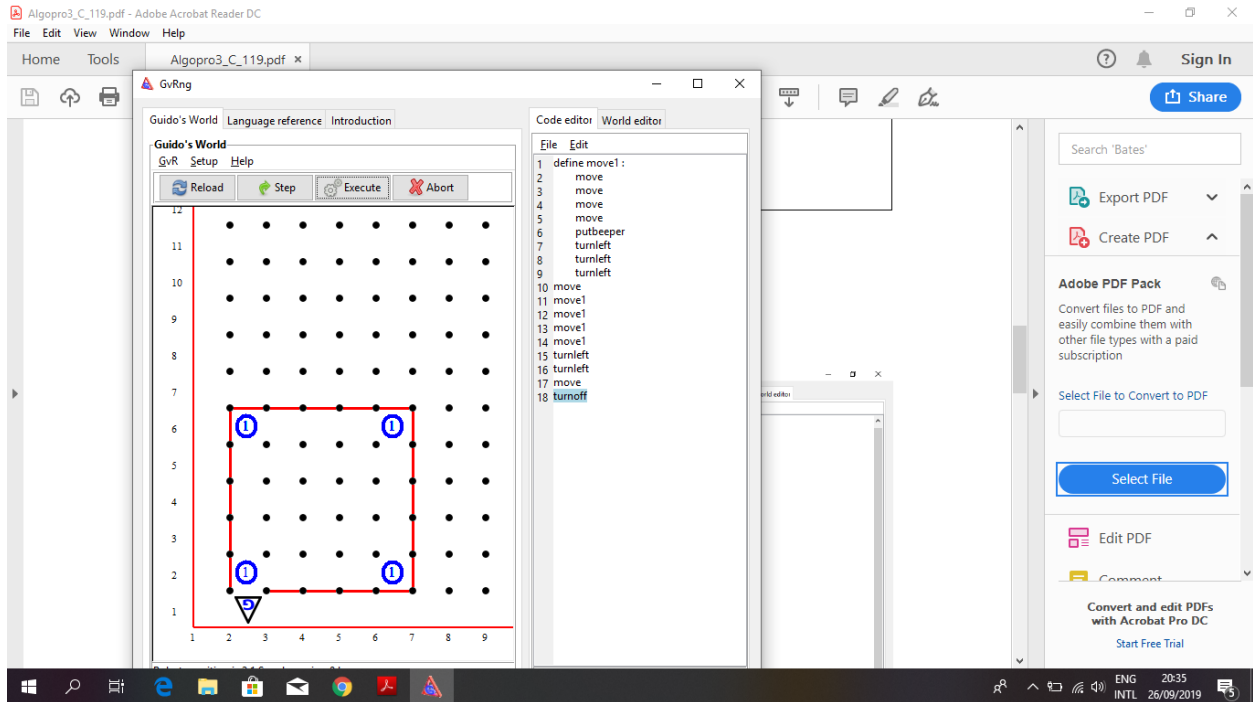
Windows taskbar with icons for Explorer, Edge, Mail, etc.

System tray with network, volume, and clock (20:29 26/09/2019).

Kegiatan 5 :

Jumlah baris instruksi pada program saya : 18 buah

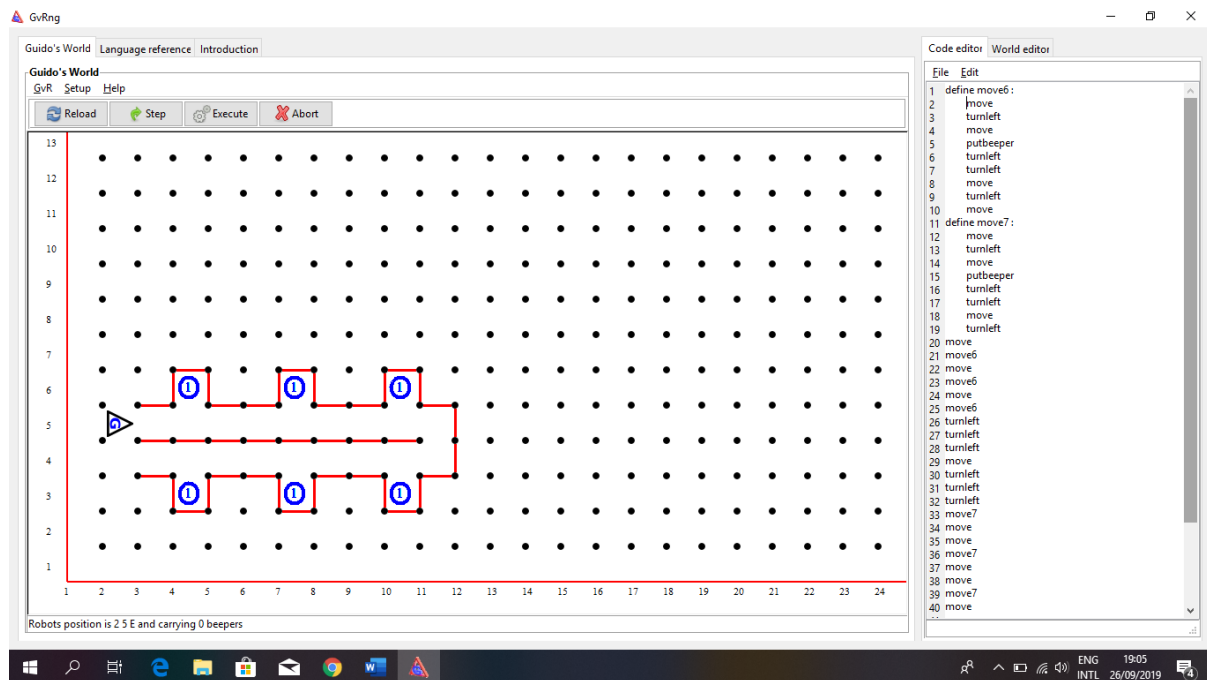
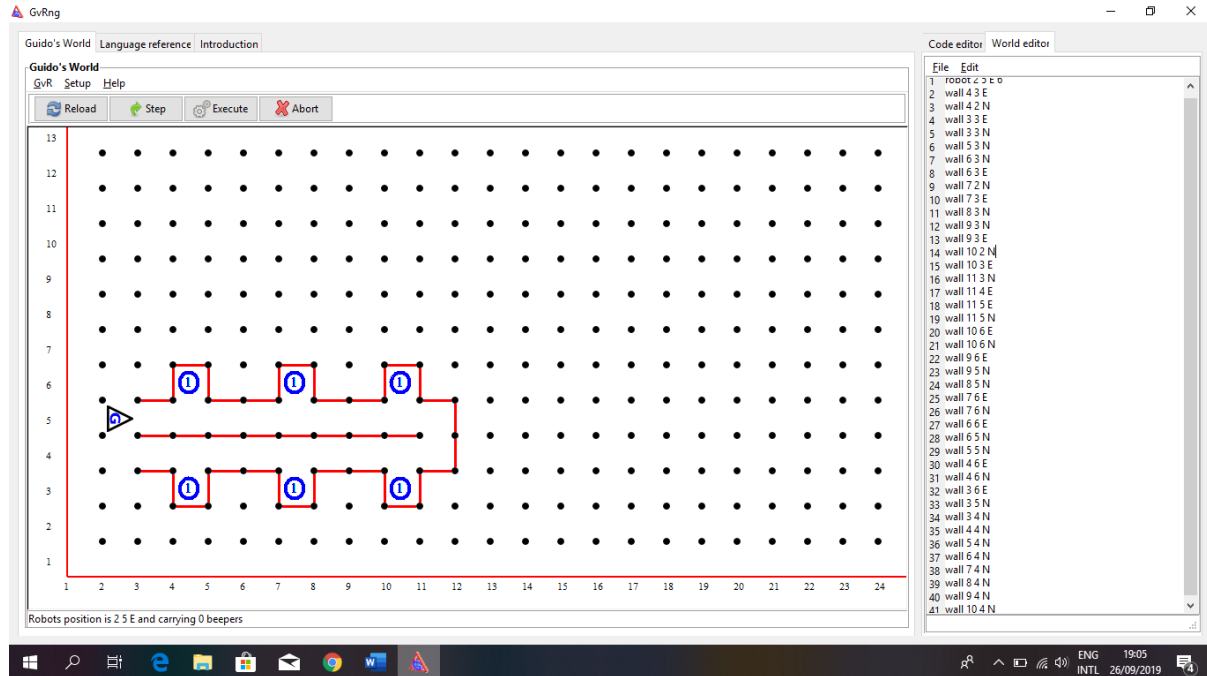
Berikut adalah program (maksimal 20 baris) yang saya buat :



Kegiatan 6

Jumlah baris instruksi pada program saya : 48 baris

Berikut adalah program yang saya buat :



GvRng

Guido's World | Language reference | Introduction

Guido's World

GvR Setup Help

Reload Step Execute Abort

Robots position is 2 5 E and carrying 0 beepers

Code editor | World editor

File Edit

```
8 move
9 turnleft
10 move
11 define move7:
12 move
13 turnleft
14 move
15 putbeeper
16 turnleft
17 turnleft
18 move
19 turnleft
20 move
21 move6
22 move
23 move6
24 move
25 move6
26 turnleft
27 turnleft
28 turnleft
29 move
30 turnleft
31 turnleft
32 turnleft
33 move7
34 move
35 move
36 move7
37 move
38 move
39 move7
40 move
41 move
42 turnleft
43 turnleft
44 turnleft
45 move
46 turnleft
47 turnleft
48 turnleft
```

Windows taskbar: 19:05 26/09/2019