# Praktikum Alogaritma dan Pemrograman Modul 5

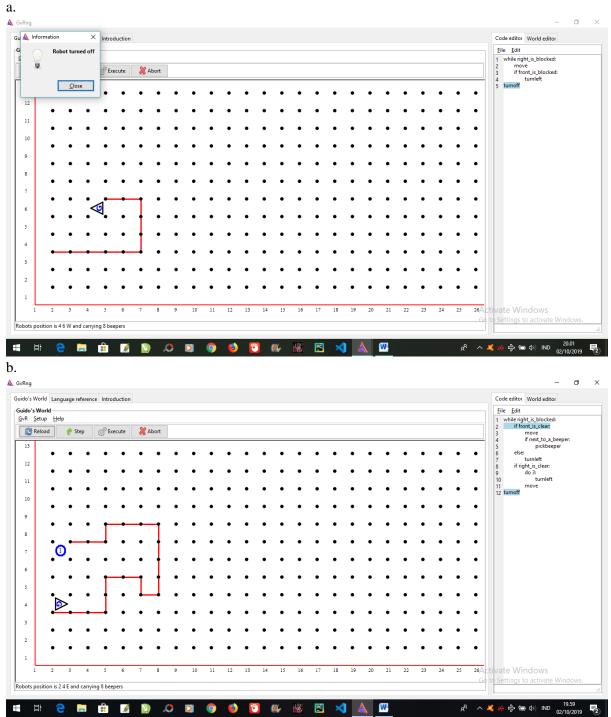
# Kegiatan 1. 🛕 GvRng o Guido's World Language reference Introduction Code editor World editor Eile Edit 1 do 2: 2 move 3 do 2: Guido's World GvR Setup Help 3 do 2 4 putbeeper 5 move 6 do 4: 7 putbeeper 8 move 9 do 2: 10 turnleft 11 while front\_is\_clean: 2 move 13 while next\_to\_a\_beeper 14 pickbeeper 15 turnleft ≅ Reload 🕏 Step 👸 Execute 🮇 Abort 11 10 **2 2 4 4** 4 Robots position is 5 4 W and carrying 0 beepers Gu 🛕 Information Code editor World editor Robot turned off 1 do 2: 2 move 3 do 2: 4 putbeeper 5 move 6 do 4: 7 putbeeper 8 move 9 do 2: 10 turnleft 11 while front, is clear. 12 move 13 while next, to, a, beeper. 14 pickbeeper Execute Abort <u>C</u>lose 12 11 10 **◎** 2 16 17 18 19 20 21 13 14 15

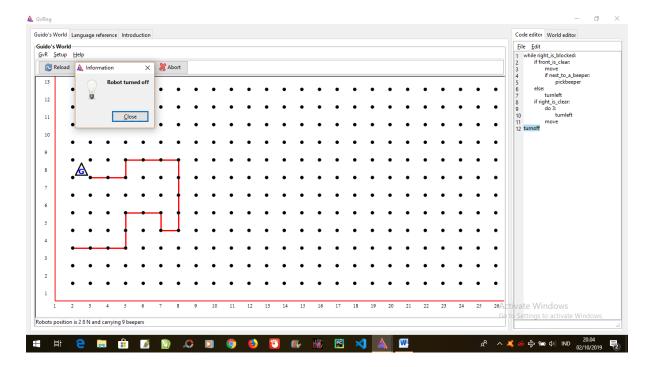
Robots position is 1 4 W and carrying 8 beepers

## ## 🔁 🛅 🖆 🙍 🐒 🗘 🔟

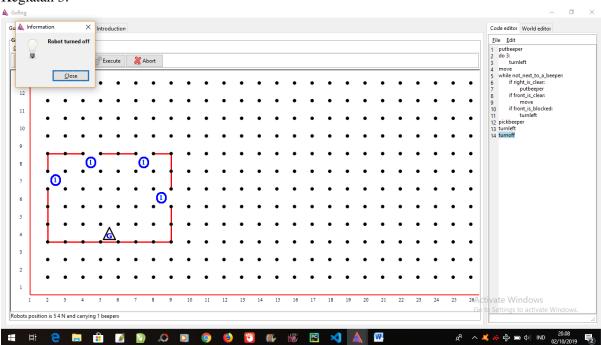
#### Kegiatan 2.

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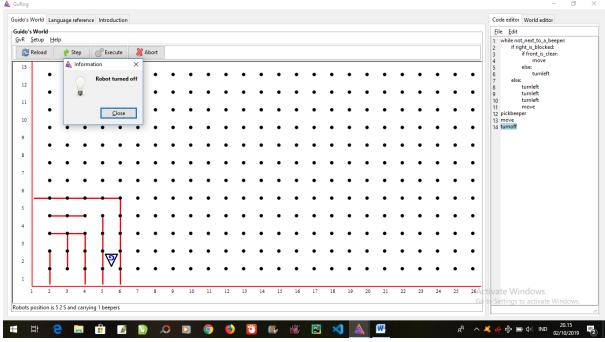




#### Kegiatan 3.



### Kegiatan 4.



Alogaritma

Robot penjinak bom

Robot mengelilingi gedung dengan instruksi 14 baris, sehingga dapat menemukan bom yang disimulasikan dengan beeper lalu menjinakkannya.

## Keterangan Alogaritma

#### Langkah:

- 1. Ketika robot tidak bertemu beeper, lakukan perintah berikut :
  - 1) Cek dinding kanan, apabila tergalang dinding lakukan perintah berikut :
    - a) Jika depan lowong, maju satu langkah
    - b) Jika depan tergalang, hadap kiri
  - 2) Cek dinding kanan, apabila lowong hadap kiri 3 kali dan maju satu langkah
- 2. Ambil beeper
- 3. Selesai