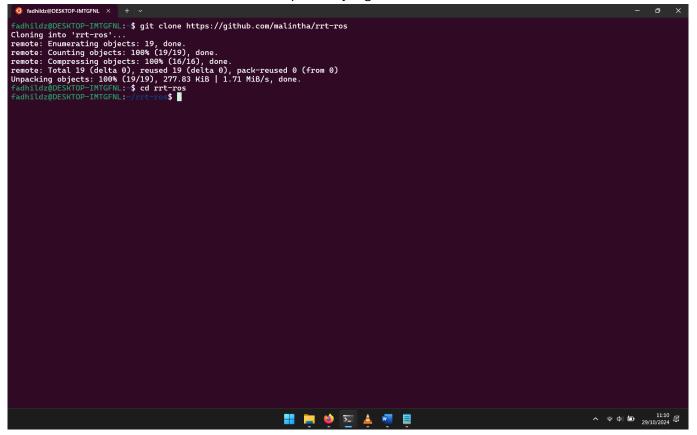
Nama: Fadhil Dzikri Aqila

NIM: 1103213136 Kelas: TK-45-G09

Implementasi Rapidly-Expanding Random Trees (RRT) di ROS dengan RViz

1. git clone https://github.com/malintha/rrt-ros untuk mengunduh repositori rrt-ros dari GitHub.

2. **cd rrt-ros** untuk masuk ke direktori repositori yang telah di-clone.



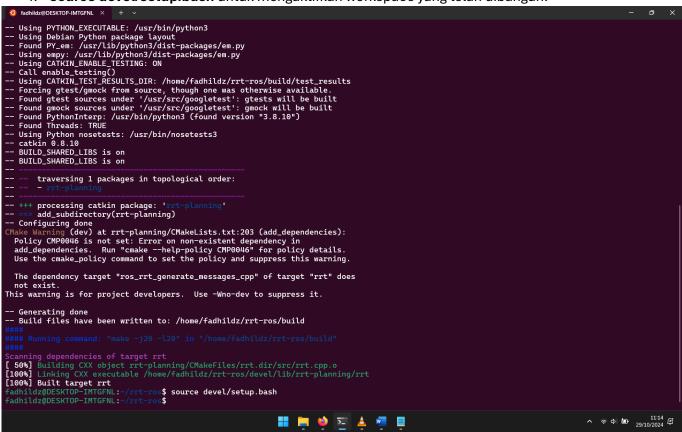
3. catkin_make untuk membangun workspace dengan package RRT.

```
**SubsideastyProp-HYGENL: $ git clone https://github.com/malintha/rrt-ros
Cloning into 'rrt-ros'.
remote: Counting objects: 190% (19/19), done.
remote: Total 19 (delta 0), reword 19 (delta 0), pack-reused 0 (from 0)
Umpacking objects: 190% (19/19), 277.83 KiB | 1.71 MiB/s, done.
remote: Counting objects: 190% (19/19), 277.83 KiB | 1.71 MiB/s, done.
remote: Counting objects: 190% (19/19), 277.83 KiB | 1.71 MiB/s, done.
remote: Counting objects: 190% (19/19), 277.83 KiB | 1.71 MiB/s, done.
remote: Counting objects: 190% (19/19), 277.83 KiB | 1.71 MiB/s, done.
remote: Counce space: /none/fadhidz/rrt-ros/space
Source space: /none/fadhidz/rrt-ros/space
Source space: /none/fadhidz/rrt-ros/space
Source space: /none/fadhidz/rrt-ros/space
Source space: /none/fadhidz/rrt-ros/space)
Source space: /none/fadhidz/rrt-ros/srac/MakeLists.txt* mointing to */opt/ros/noetic/share/catkin/cmake/toplevel.cmake*

FERSI
Removing symlink */hone/fadhidz/rrt-ros/srac/MakeLists.txt* mointing to */opt/ros/noetic/share/catkin/cmake/toplevel.cmake*

FERSI
Removing command: *spake: /none/fadhidz/rrt-ros/srac-DCATKIN_DEVEL_PREFIX=/hone/fadhidz/rrt-ros/devel -DCMAKE_INSTALL_PREFIX=/hone/fadhidz/rrt-ros/devel -DCMAKE_INSTALL_PREFIX=/hone/fadhidz/rrt-ros/devel
```

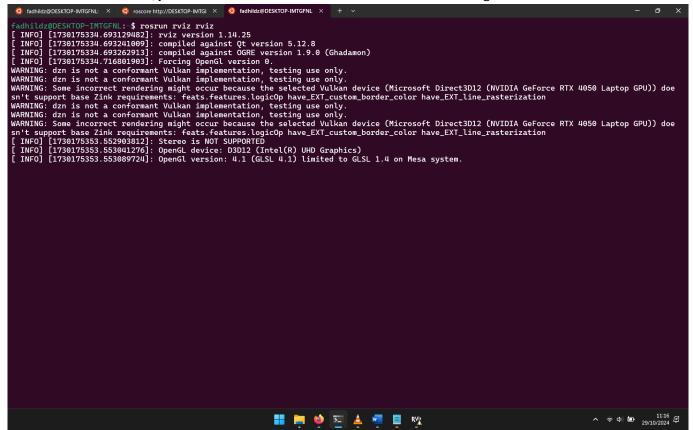
4. source devel/setup.bash untuk mengaktifkan workspace yang telah dibangun.



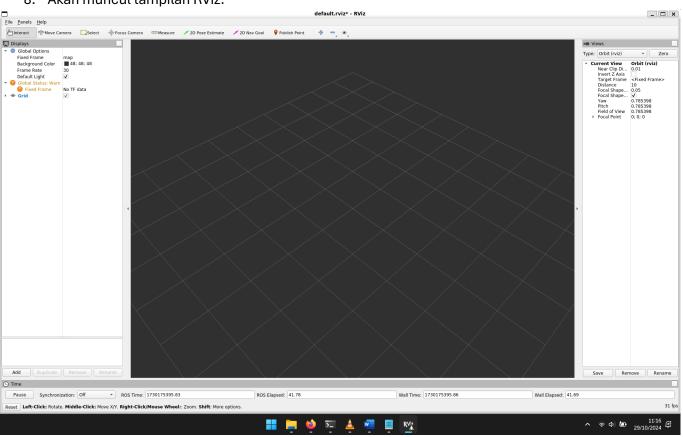
5. Jalankan roscore di terminal lain untuk memulai master ROS.

6. rosrun rrt-planning rrt untuk menjalankan algoritma RRT.

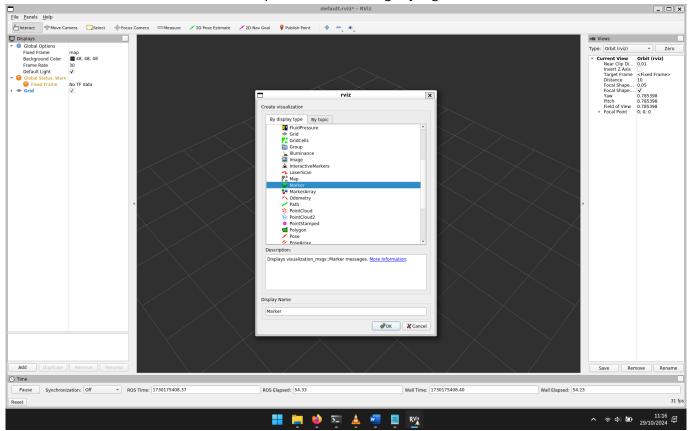
7. Di terminal lain, jalankan rosrun rviz rviz untuk membuka RViz sebagai visualisasi.



8. Akan muncul tampilan RViz.



9. Tambahkan Marker untuk menampilkan node dan edges yang dibuat oleh RRT.



10. Akan muncul visualisasi RRT di RViz, menampilkan pohon yang berkembang sesuai dengan algoritma RRT.

