

LAMPIRAN A

Listing Program Arduino

```
#include <SoftwareSerial.h>

SoftwareSerial mySerial(10, 11); // RX, TX pin untuk HC-05

void setup() {

  Serial.begin(9600);

  mySerial.begin(9600); // Baudrate HC-05 saat ini

  delay(1000);

  mySerial.print("AT"); // Perintah AT untuk memastikan HC-05
  merespons

  delay(1000);

  if (mySerial.available()) {

    String response = mySerial.readString();

    Serial.println(response);

  }

  mySerial.print("AT+NAME=CNC"); // Mengganti nama menjadi
  "CNC"

  delay(1000);

  mySerial.print("AT+UART=115200,0,0"); // Mengganti baudrate
  menjadi 115200

  delay(1000);

  mySerial.print("AT+RESET"); // Mereset HC-05 untuk menerapkan
  perubahan

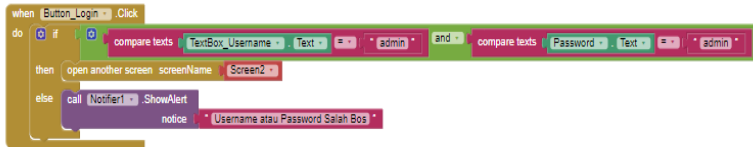
  delay(1000)
```



```
mySerial.begin(115200); // Mengatur baudrate baru ke 115200
}
void loop() {
}
```

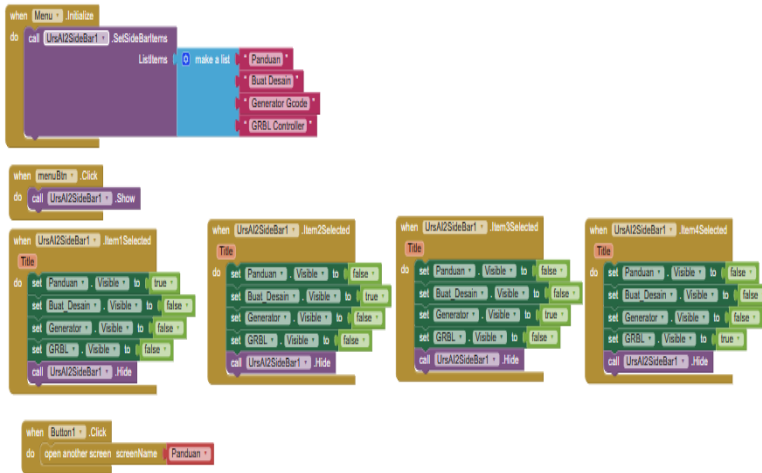
LAMPIRAN B

Kode Blok MIT App Inventor



```
when Button_Login.Click
do
  if
    compare texts TextBox_Username.Text = admin and compare texts Password.Text = admin
  then
    open another screen screenName Screen2
  else
    call Notification.ShowAlert
    notice Username atau Password Salah Bos
```

Gambar 1 Kode Blok Login



```
when Menu.Initialize
do
  call UrnA12SideBar1.SetSideBarItems
  ListItems make a list
  Panduan
  Buat Desain
  Generator Kode
  GRBL Controller

when menuBar1.Click
do
  call UrnA12SideBar1.Show

when UrnA12SideBar1.Item1Selected
Title
do
  set Panduan.Visible to true
  set Buat_Desain.Visible to false
  set Generator.Visible to false
  set GRBL.Visible to false
  call UrnA12SideBar1.Hide

when UrnA12SideBar1.Item2Selected
Title
do
  set Panduan.Visible to false
  set Buat_Desain.Visible to true
  set Generator.Visible to false
  set GRBL.Visible to false
  call UrnA12SideBar1.Hide

when UrnA12SideBar1.Item3Selected
Title
do
  set Panduan.Visible to false
  set Buat_Desain.Visible to false
  set Generator.Visible to true
  set GRBL.Visible to false
  call UrnA12SideBar1.Hide

when UrnA12SideBar1.Item4Selected
Title
do
  set Panduan.Visible to false
  set Buat_Desain.Visible to false
  set Generator.Visible to false
  set GRBL.Visible to true
  call UrnA12SideBar1.Hide

when Button1.Click
do
  open another screen screenName Panduan
```

Gambar 2 Kode Blok Sidebar


```

when Desain . Click
do
  set ActivityStarter1 . Action to android.intent.action.MAIN
  set ActivityStarter1 . ActivityPackage to com.brakefield.idfree
  set ActivityStarter1 . ActivityClass to com.brakefield.idfree.ActivityStartup
  call ActivityStarter1 .StartActivity

when Gcode . Click
do
  set ActivityStarter1 . Action to android.intent.action.MAIN
  set ActivityStarter1 . ActivityPackage to com.companyname.image_to_gcode
  set ActivityStarter1 . ActivityClass to crc8440fde80fb0b08b6a.MainActivity
  call ActivityStarter1 .StartActivity

when GBL . Click
do
  set ActivityStarter1 . Action to android.intent.action.MAIN
  set ActivityStarter1 . ActivityPackage to de.athoe.g_code2grbl
  set ActivityStarter1 . ActivityClass to de.athoe.g_code2grbl.MainActivity
  call ActivityStarter1 .StartActivity

```

Gambar 3 Kode Blok 3 Aplikasi

```

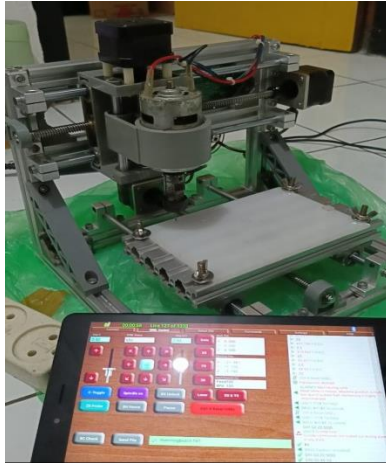
when Menu . BackPressed
do
  if Clock1 . TimerEnabled to false
  then
    set Clock1 . TimerEnabled to true
    call Notifier1 . ShowAlert
    notice Press Back Again to Exit
  else
    close application

when Clock1 . Timer
do
  set Clock1 . TimerEnabled to false

```

Gambar 4 Kode Blok Exit

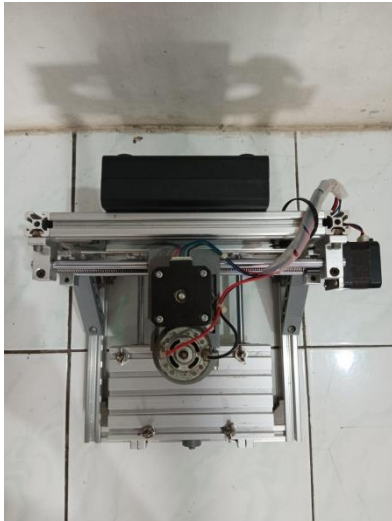
LAMPIRAN C



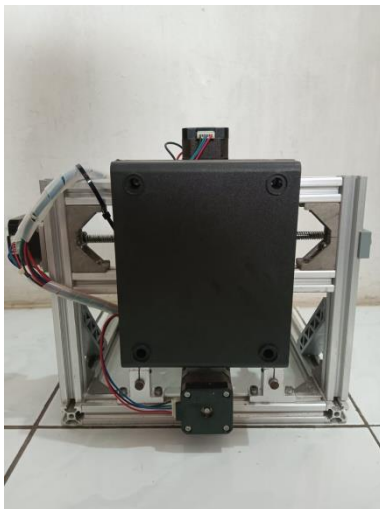
Gambar 5 Pengujian Mesin CNC



Gambar 6 Mesin CNC



Gambar 7 Tampak atas



Gambar 8 Tampak Belakang

BIODATA PENULIS



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Riwayat Pendidikan

- SDN Tambakerja 04 Tahun 2008 - 2014
- SMPN 01 Kedungreja Tahun 2014 - 2017
- SMAN 01 Kedungreja Tahun 2017 - 2020
- Politeknik Negeri Cilacap Tahun 2020 - 2023

Penulis telah mengikuti seminar Tugas Akhir pada tanggal 17 Juli 2023 sebagai salah satu persyaratan untuk memperoleh gelar Ahli Madya (A.Md).