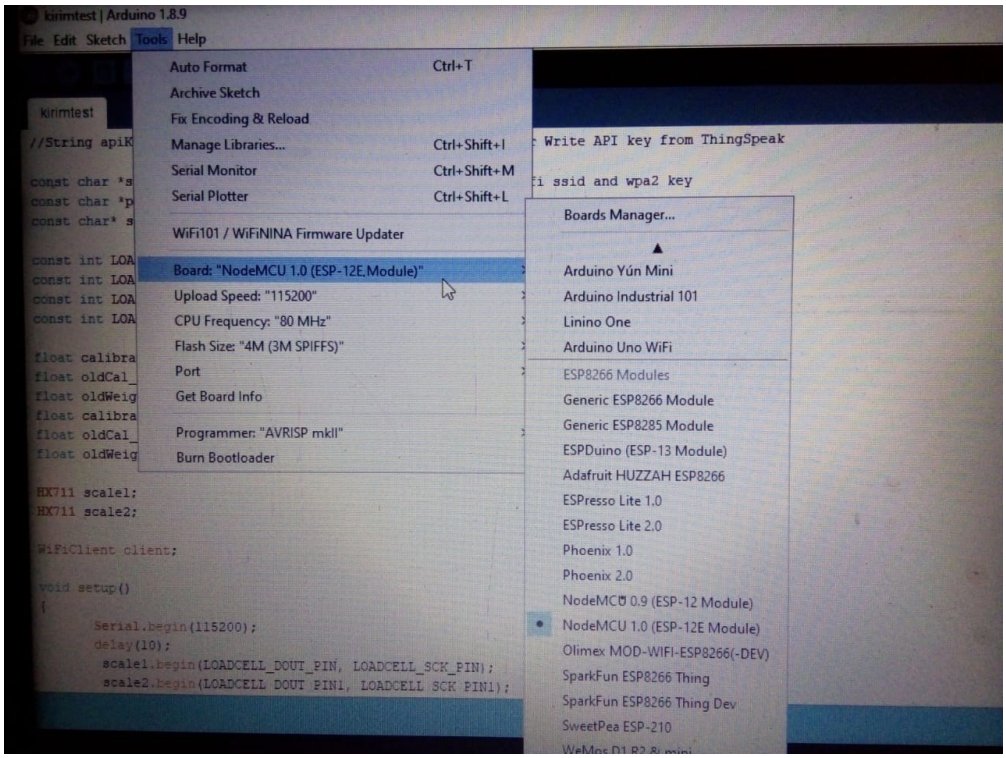
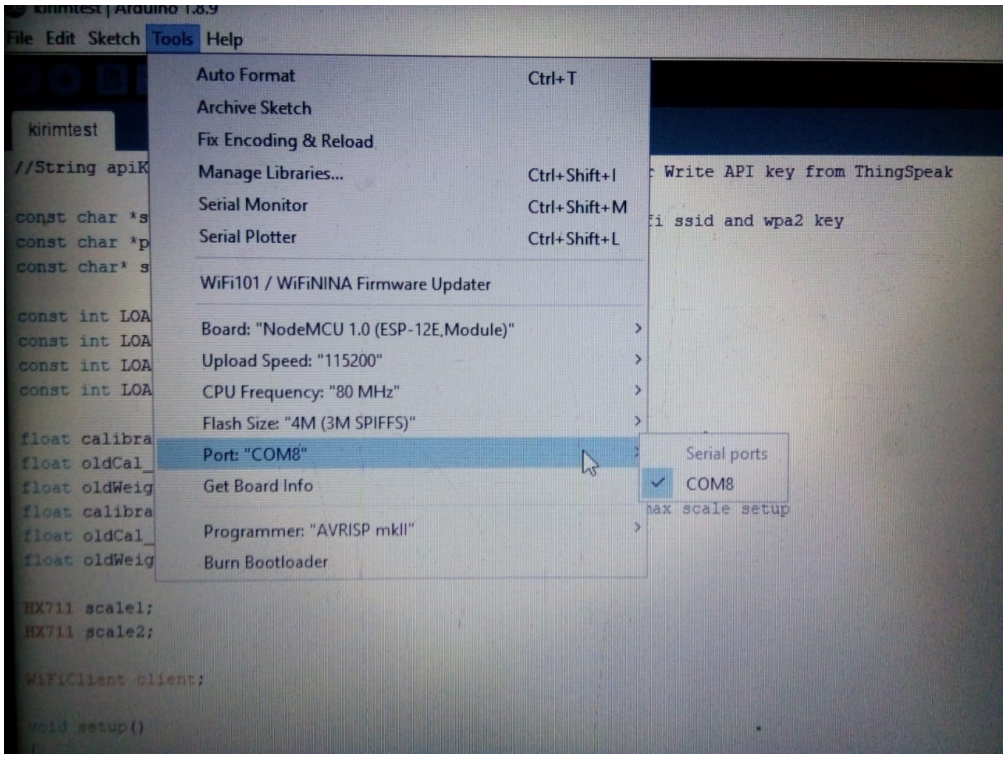
LAMPIRAN 1


sketch_jul22baru | Arduino 1.8.9
File Edit Sketch Tools Help
sketch_jul22baru
const int LOADCELL_DOUT_PIN = 2;
const int LOADCELL_SCK_PIN = 3;
const int LOADCELL_DOUT_PIN1 = 4;
const int LOADCELL_SCK_PIN1 = 5;
//#define RST 4
HX711 scale1;
HX711 scale2;
Servo servo;
int angle = 10;
float calibration_factor = -380; //-7050 worked for my 440lb max scale setup
float oldCal_factor;
float oldWeight;
void setup() {
Serial.begin(9600);
Serial.println("HX711 calibration sketch");
Serial.println("Remove all weight from scale");
Serial.println("After readings begin, place known weight on scale");
Serial.println("Press + or a to increase calibration factor");
Serial.println("Press - or z to decrease calibration factor");
scale1.begin(LOADCELL_DOUT_PIN, LOADCELL_SCK_PIN);
scale2.begin(LOADCELL_DOUT_PIN1, LOADCELL_SCK_PIN1);
scale1.set_scale();
scale2.set_scale();
scale1.tare(); //Reset the scale to 0
scale2.tare();
//Get a baseline reading
long zero_factor = scale1.read_average();
Sketch uses 230157 bytes (22%) of program storage space. Maximum is 1044464 bytes.
Global variables use 32192 bytes (39%) of dynamic memory, leaving 49728 bytes for local variables. Maximum is 81920 bytes.
159


kirimtest | Arduino 1.8.9
File Edit Sketch Tools Help
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Manage Libraries... Ctrl+Shift+I
Serial Monitor Ctrl+Shift+M
Serial Plotter Ctrl+Shift+L
WiFi101 / WiFiNINA Firmware Updater
Board: "NodeMCU 1.0 (ESP-12E Module)"
Upload Speed: "115200"
CPU Frequency: "80 MHz"
Flash Size: "4M (3M SPIFFS)"
Port
Get Board Info
Programmer: "AVRISP mkII"
Burn Bootloader
Boards Manager...
Arduino Yún Mini
Arduino Industrial 101
Linino One
Arduino Uno WiFi
ESP8266 Modules
Generic ESP8266 Module
Generic ESP8285 Module
ESPDuino (ESP-13 Module)
Adafruit HUZZAH ESP8266
ESPresso Lite 1.0
ESPresso Lite 2.0
Phoenix 1.0
Phoenix 2.0
NodeMCU 0.9 (ESP-12 Module)
NodeMCU 1.0 (ESP-12E Module)
Olimex MOD-WIFI-ESP8266(-DEV)
SparkFun ESP8266 Thing
SparkFun ESP8266 Thing Dev
SweetPea ESP-210
kirimtest
//String apiK
Write API key from ThingSpeak
fi ssid and wpa2 key
HX711 scale1;
HX711 scale2;
WiFiClient client;
void setup()
Serial.begin(115200);
delay(10);
scale1.begin(LOADCELL_DOUT_PIN, LOADCELL_SCK_PIN);
scale2.begin(LOADCELL_DOUT_PIN1, LOADCELL_SCK_PIN1);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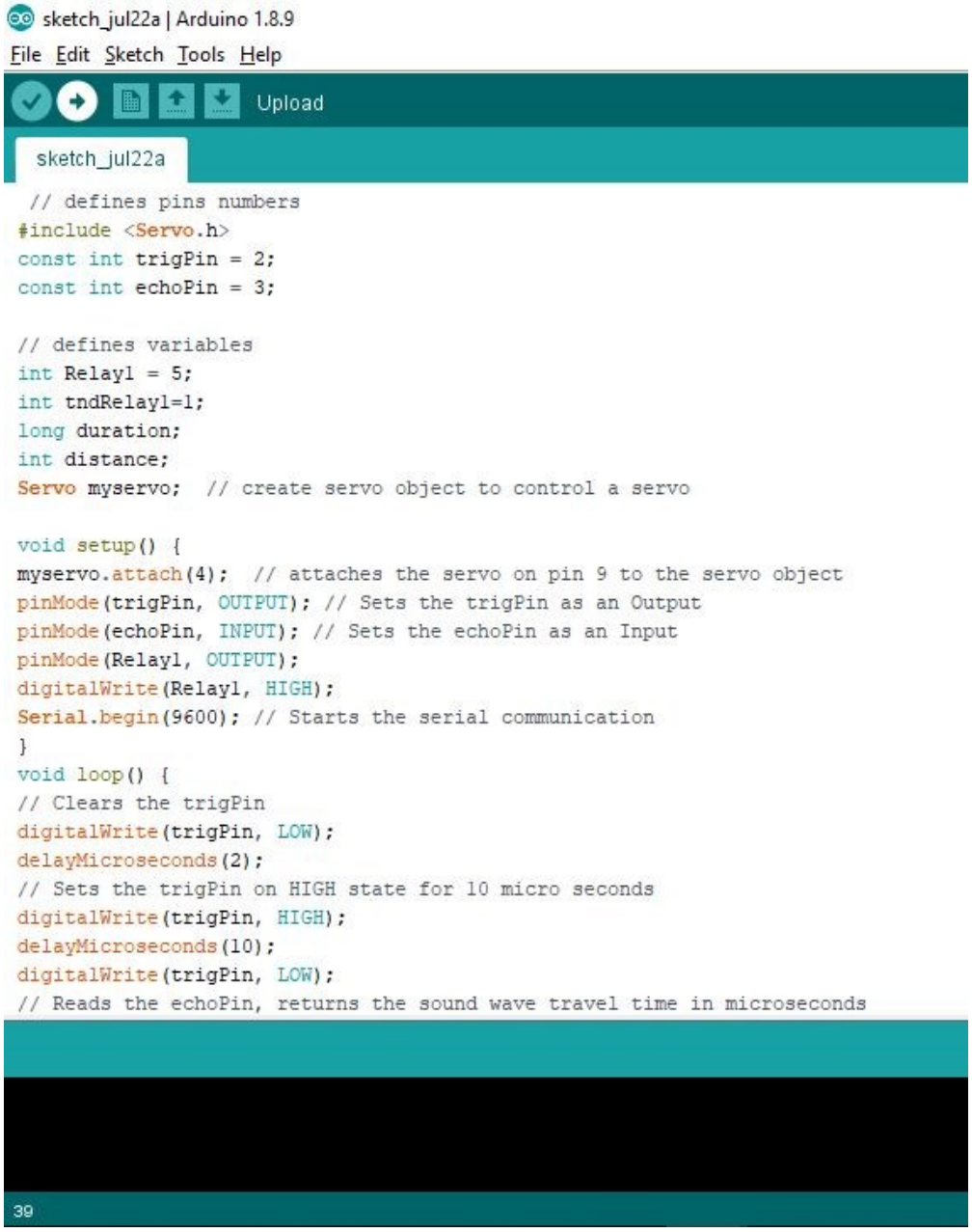
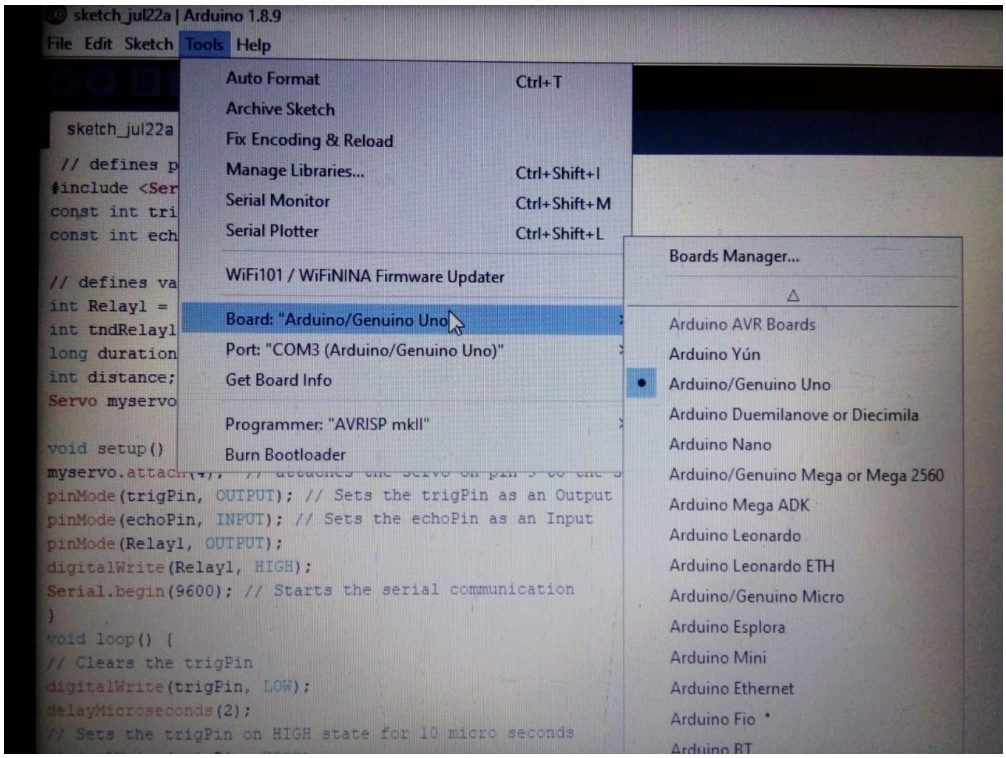
Fix Encoding & Reload
Manage Libraries... Ctrl+Shift+I
Serial Monitor Ctrl+Shift+M
Serial Plotter Ctrl+Shift+L
WiFi101 / WiFiNINA Firmware Updater
Board: "NodeMCU 1.0 (ESP-12E Module)"
Upload Speed: "115200"
CPU Frequency: "80 MHz"
Flash Size: "4M (3M SPIFFS)"
Port: "COM8"
Get Board Info
Programmer: "AVRISP mkII"
Burn Bootloader
Serial ports
COM8
kirimtest
//String apiK
Write API key from ThingSpeak
fi ssid and wpa2 key
HX711 scale1;
HX711 scale2;
WiFiClient client;
void setup()


sketch_jul22a | Arduino 1.8.9
File Edit Sketch Tools Help
Upload
sketch_jul22a
// defines pins numbers
#include <Servo.h>
const int trigPin = 2;
const int echoPin = 3;
// defines variables
int Relay1 = 5;
int tndRelay1=1;
long duration;
int distance;
Servo myservo; // create servo object to control a servo
void setup() {
myservo.attach(4); // attaches the servo on pin 9 to the servo object
pinMode(trigPin, OUTPUT); // Sets the trigPin as an Output
pinMode(echoPin, INPUT); // Sets the echoPin as an Input
pinMode(Relay1, OUTPUT);
digitalWrite(Relay1, HIGH);
Serial.begin(9600); // Starts the serial communication
}
void loop() {
// Clears the trigPin
digitalWrite(trigPin, LOW);
delayMicroseconds(2);
// Sets the trigPin on HIGH state for 10 micro seconds
digitalWrite(trigPin, HIGH);
delayMicroseconds(10);
digitalWrite(trigPin, LOW);
// Reads the echoPin, returns the sound wave travel time in microseconds
39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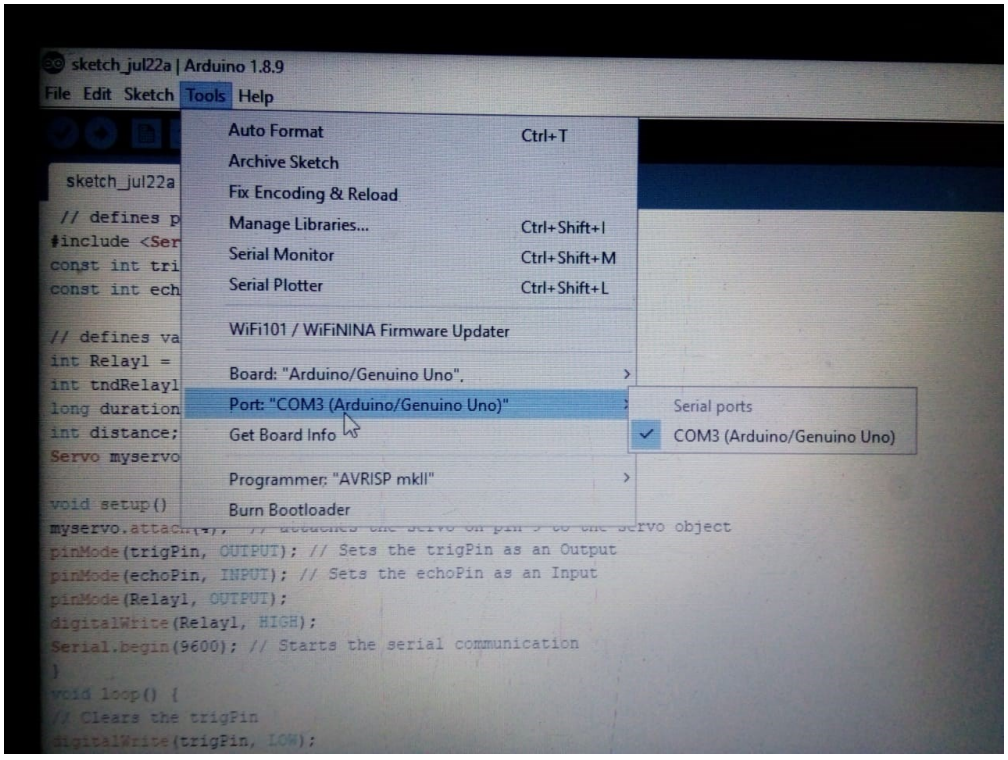
Manage Libraries... Ctrl+Shift+I
Serial Monitor Ctrl+Shift+M
Serial Plotter Ctrl+Shift+L
WiFi101 / WiFiNINA Firmware Updater
Board: "Arduino/Genuino Uno"
Port: "COM3 (Arduino/Genuino Uno)"
Get Board Info
Programmer: "AVRISP mkII"
Burn Bootloader
Boards Manager...
Arduino AVR Boards
Arduino Yún
Arduino/Genuino Uno
Arduino Duemilanove or Diecimila
Arduino Nano
Arduino/Genuino Mega or Mega 2560
Arduino Mega ADK
Arduino Leonardo
Arduino Leonardo ETH
Arduino/Genuino Micro
Arduino Esplora
Arduino Mini
Arduino Ethernet
Arduino Fio
pinMode(trigPin, OUTPUT); // Sets the trigPin as an Output
pinMode(echoPin, INPUT); // Sets the echoPin as an Input
pinMode(Relay1, OUTPUT);
digitalWrite(Relay1, HIGH);
Serial.begin(9600); // Starts the serial communication
void loop() {
// Clears the trigPin
digitalWrite(trigPin, LOW);
delayMicroseconds(2);
// Sets the trigPin on HIGH state for 10 micro seconds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WiFi101 / WiFiNINA Firmware Updater
Board: "Arduino/Genuino Uno"
Port: "COM3 (Arduino/Genuino Uno)"
Get Board Info
Programmer: "AVRISP mkII"
Burn Bootloader
Serial ports
COM3 (Arduino/Genuino Uno)
pinMode(trigPin, OUTPUT); // Sets the trigPin as an Output
pinMode(echoPin, INPUT); // Sets the echoPin as an Input
pinMode(Relay1, OUTPUT);
digitalWrite(Relay1, HIGH);
Serial.begin(9600); // Starts the serial communication
void loop() {
// Clears the trigPin
digitalWrite(trigPin, LOW);

E:\xampp\htdocs\mesinberas\index.php - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

new 1 | server.php | index.php | beras.php | prjsmn.sql | index.php

```
<!DOCTYPE html>
<html>
<head>
    <title>Pemilah Beras Otomatis</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" type="text/css" href="css/bootstrap.css">
    <link rel="stylesheet" type="text/css" href="css/bootstrap-datepicker3.min.css">
    <script type="text/javascript" src="js/jquery.js"></script>
    <script type="text/javascript" src="js/bootstrap.js"></script>
    <script type="text/javascript" src="js/bootstrap-datepicker.min.js"></script>
    <style type="text/css">
        .wrapper{padding: 30px 0px;}
    </style>
</head>
<body>
<div class="wrapper">
    <div class="container">
        <div class="panel panel-primary">
            <div class="panel-heading">
                <h2>ALAT PEMILAH BERAS OTOMATIS</h2>
            </div>
            <div class="panel-body">
                <div class="form col-md-8">
                    <div class="form-group row">
                        <div class="form-label col-md-3">Jumlah Penimbangan</div>
                        <div class="col-md-5"><input type="text" name="inTimbang" id="i
                    </div>
                    <div class="form-group row">
                        <div class="form-label col-md-3">Beras Utuh</div>
                        <div class="col-md-5"><input type="text" name="inUtuh" id="inUt
                    </div>
                    <div class="form-group row">
                        <div class="form-label col-md-3">Beras Patah</div>
```

E:\xampp\htdocs\mesinberas\beras.php - Notepad++

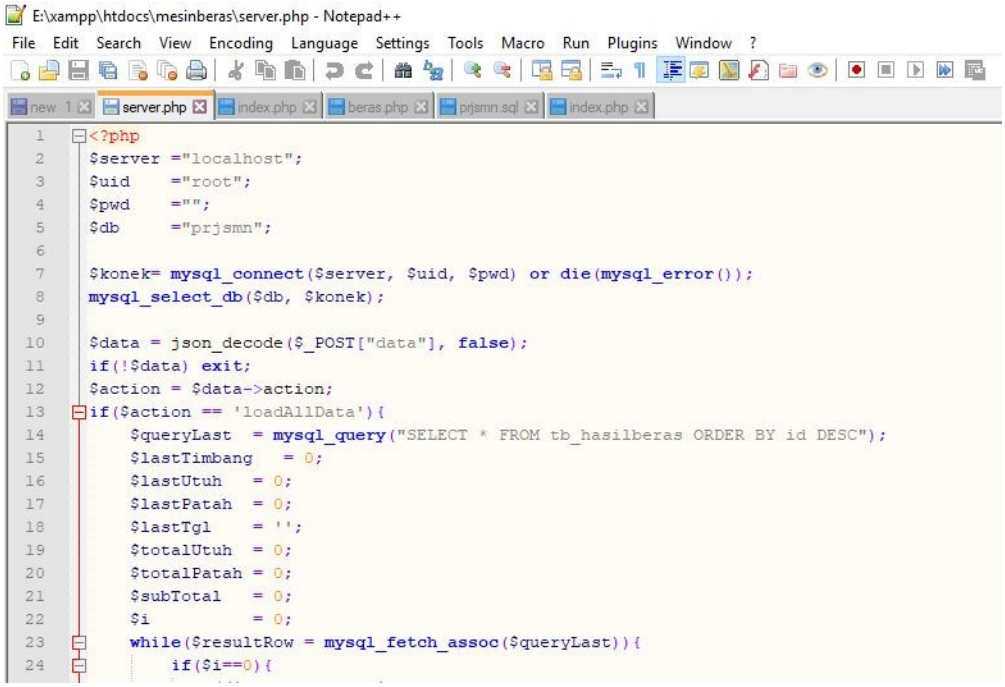
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

new 1 | server.php | index.php | beras.php | prjsmn.sql | index.php

```
<?php
$koneksi = mysqli_connect("localhost","root","","prjsmn");


$lastUtuh = $_POST['berasUtuh'];
$lastPatah = $_POST['berasPatah'];
//$lasttgl = $_GET['tgl'];
$lastket = $_POST['ket'];
$laststatus = $_POST['status'];

mysqli_query($koneksi,"insert into tb_hasilberas value('',NOW(),'$lastUtuh','$lastPatah',
?>
```


E:\xampp\htdocs\mesinberas\server.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
new 1
server.php
index.php
beras.php
prjsmn.sql
index.php
<?php
$server ="localhost";
$uid ="root";
$pwd ="";
$db ="prjsmn";
$konek= mysql_connect($server, $uid, $pwd) or die(mysql_error());
mysql_select_db($db, $konek);
$data = json_decode($_POST["data"], false);
if(!$data) exit;
$action = $data->action;
if($action == 'loadAllData'){
$queryLast = mysql_query("SELECT * FROM tb_hasilberas ORDER BY id DESC");
$lastTimbang = 0;
$lastUtuh = 0;
$lastPatah = 0;
$lastTgl = '';
$totalUtuh = 0;
$totalPatah = 0;
$subTotal = 0;
$i = 0;
while($resultRow = mysql_fetch_assoc($queryLast)){
if($i==0){