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//Read Modul Analog Multiplexer 8ch into Arduino pin A0
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#define pinA 2 //connect pin 2 arduino to pin A multiplexer
#define pinB 3 //connect pin 3 arduino to pin B multiplexer
#define pinC 4 //connect pin 4 arduino to pin C multiplexer

#define pinX A0 //connect pin A0 arduino to pin X multiplexer

float baca_adc;

void setup()
{
  analogReference(INTERNAL);
  Serial.begin(9600);
  pinMode(pinA, OUTPUT);
  pinMode(pinB, OUTPUT);
  pinMode(pinC, OUTPUT);
}

void loop ()
{
  for (int i=0; i<=7; i++)
  {
    pilih_kanal(i);
    baca_adc=analogRead(pinX);
    Serial.print("ADC");
    Serial.print(i);
    Serial.print("=");
    Serial.print(baca_adc);
    Serial.println(" ");
    delay(500);
  }
}

void pilih_kanal(int x)
{
  switch(x)
  {
    case 0:digitalWrite(pinC,LOW);digitalWrite(pinB,LOW);digitalWrite(pinA,LOW);break;
    case 1:digitalWrite(pinC,LOW);digitalWrite(pinB,LOW);digitalWrite(pinA,HIGH);break;
    case 2:digitalWrite(pinC,LOW);digitalWrite(pinB,HIGH);digitalWrite(pinA,LOW);break;
    case 3:digitalWrite(pinC,LOW);digitalWrite(pinB,HIGH);digitalWrite(pinA,HIGH);break;
    case 4:digitalWrite(pinC,HIGH);digitalWrite(pinB,LOW);digitalWrite(pinA,LOW);break;
    case 5:digitalWrite(pinC,HIGH);digitalWrite(pinB,LOW);digitalWrite(pinA,HIGH);break;
    case 6:digitalWrite(pinC,HIGH);digitalWrite(pinB,HIGH);digitalWrite(pinA,LOW);break;
    case 7:digitalWrite(pinC,HIGH);digitalWrite(pinB,HIGH);digitalWrite(pinA,HIGH);break;
  }
}

```