```c
/*
 * Percobaan 1.c
 * Created: 15/09/2022 23.29.09
 * Author : Kelompok 1
 */
#define F_CPU 16000000L
#include <avr/io.h>
#include <util/delay.h>
#include <avr/interrupt.h>

double duty = 50; // Deklarasi variabel duty tipe double

int main(void)
{
    DDRB = (1 << PORTB3); // PORT B3 sebagai output
    TCCR0 = (1 << WGM00)|(1 << WGM01)|(1 << COM01); // Mode fast PWM
    TIMSK = (1 << OCIE0); // Interrupt aktif

    //OCR0 = (duty/100)*255; // Menghitung nilai OCR

    sei(); // Global interrupt

    TCCR0 |= (1 << CS02)|(1 << CS00); // Prescaler 1024

    while (1)
    {
        _delay_ms(2000); // Tunda 2 detik
        duty++; // Increment 1
        if (duty > 100)
        {
            duty = 50;
        }
    }
}

ISR(TIMER0_COMP_vect) // Interrupt servis rutin timer 0
{
    OCR0 = (duty/100)*255; // Menghitung nilai OCR
}
```