

LAMPIRAN A



Lampiran A.1 Lx 708



Lampiran A.2 Handphone M 35



Lampiran A.3 DS 1820



Lampiran A.4 AT MEGA 16

LAMPIRAN B

Chip type : ATmega16
Program type : Application
Clock frequency : 11.059200 MHz
Memory model : Small
External SRAM size : 0
Data Stack size : 256

```
#include <mega16.h>
#include <stdio.h>
#include <math.h>
#include <delay.h>
#include <lcd.h>
#include <1wire.h>
#include <ds1820.h>
```

```
#define MAX_DEVICES 2
unsigned char rom_codes[MAX_DEVICES][9];
unsigned char i,devices;
int temp,hsl ;
char tampil[16];
```

PORTA=0x00;

DDRA=0xFF;

PORTB=0x00;

DDRB=0x00;

PORTC=0x00;

DDRC=0x00;

PORTD=0x00;

DDRD=0x00;

// USART initialization

// Communication Parameters: 8 Data, 1 Stop, No Parity

// USART Receiver: On

// USART Transmitter: On

// USART Baud rate: 19200

UCSRA=0x00;

UCSRB=0x18;

UCSRC=0x86;

UBRRH=0x00;

UBRRL=0x23;

```

w1_init();

lcd_init(16);
devices=w1_search(0xf0,rom_codes);
temp = 0;
hsl = 0;
PORTB = 0x00;
    mulai: {
    for (i=0;i<devices;)
    {
        temp=ds1820_temperature_10(&rom_codes[0][0]);
        hsl = (int)(temp/20);
        lcd_clear();
        lcd_gotoxy(0,0);
        lcd_putsf("Teddy 0122087");
        lcd_gotoxy(0,1);
        sprintf(tampil,"Suhu = %dC",hsl);
        lcd_puts(tampil);
        delay_ms(500);
        if ( hsl >= 30 )
        { goto mc; }
    };
    if ( PORTB.1 == 1 )
    { goto mc; }

```

```
        goto mulai;
    }
mc: {
    lcd_clear();
    lcd_gotoxy(0,0);
    lcd_putsf("SMS & Miss Call");
    delay_ms(500);
    printf("AT+CMSS=1,08886272328\r");
    delay_ms(10000);
    printf("ATDL;\r");
    delay_ms(60000);
    }
};
```