# LAMPIRAN

## Lampiran A
## Data Pengujian di Lapangan


Gambar A.1 Suhu Pengukuran pada *Input* Asap Cair


Gambar A.3 Suhu Pengukuran pada *Input* Kondensor

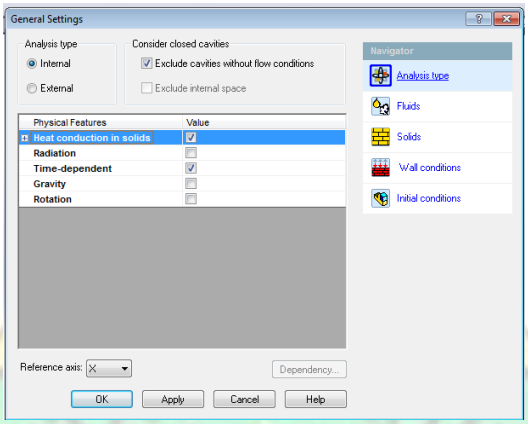

Gambar A.2 Suhu Pengukuran pada Dasar Tabung


Gambar A.4 Suhu Pengukuran pada *Output* Asap Cair

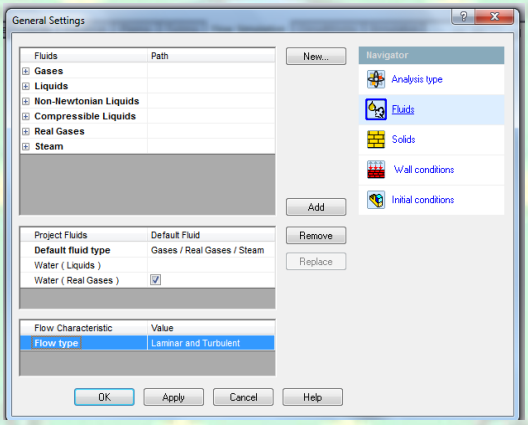

Gambar A.5 Suhu Pengukuran pada *Output* Kondensor

# Lampiran B

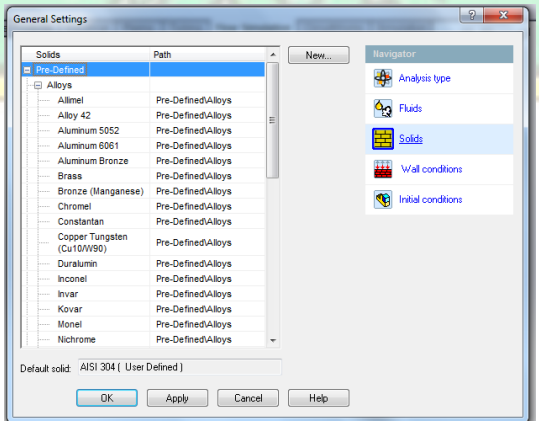
## Proses Wizard Simulasi Solidworks




Gambar B.1 Pengaturan *Wizard* Jenis Analisis Simulasi Solidworks



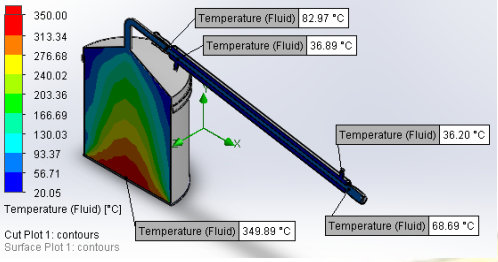

Gambar B.2 Pengaturan *Wizard* Jenis Fluida Simulasi Solidworks



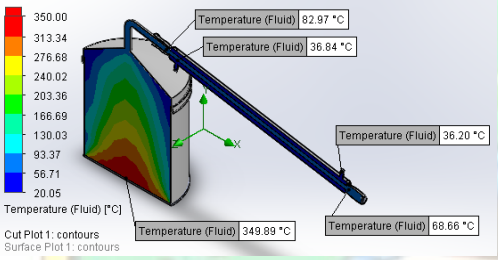

Gambar B.3 Pengaturan *Wizard* Jenis Material Simulasi Solidworks

# Lampiran C

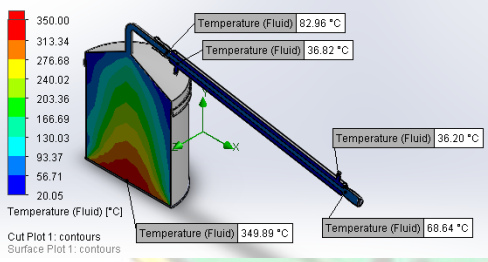
## Data Hasil Simulasi Solidworks Pirolisator



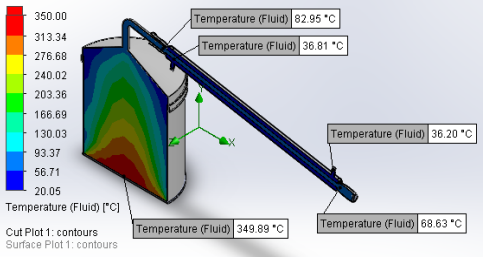

Gambar C.1 Hasil Simulasi pada Debit Air Pendingin 20 ml/s



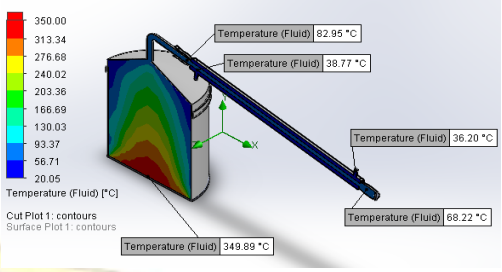

Gambar C.2 Hasil Simulasi pada Debit Air Pendingin 30 ml/s



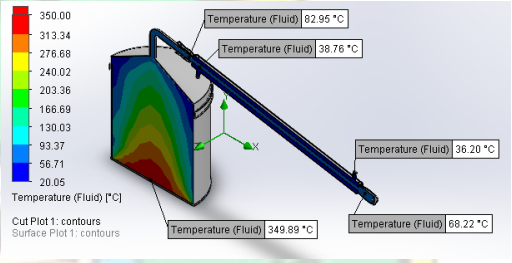

Gambar C.3 Hasil Simulasi pada Debit Air Pendingin 40 ml/s



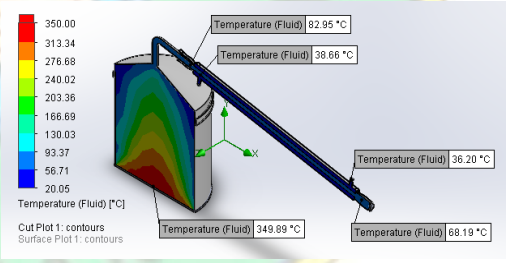

Gambar C.4 Hasil Simulasi pada Debit Air Pendingin 50 ml/s



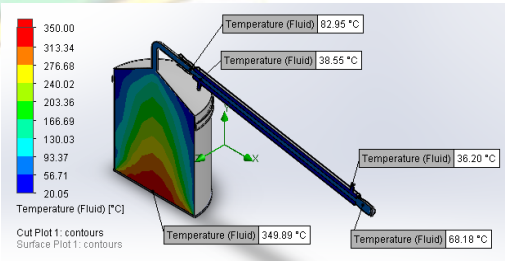

Gambar C.5 Hasil Simulasi pada Debit Air Pendingin 59 ml/s



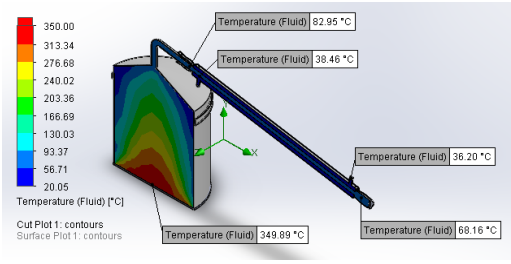

Gambar C.6 Hasil Simulasi pada Debit Air Pendingin 60 ml/s



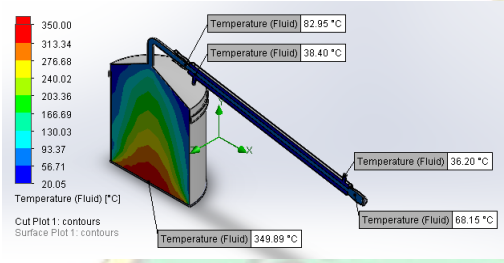

Gambar C.7 Hasil Simulasi pada Debit Air Pendingin 70 ml/s



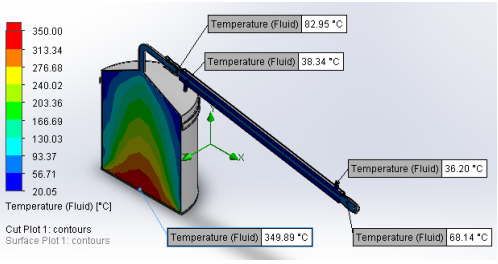

Gambar C.8 Hasil Simulasi pada Debit Air Pendingin 80 ml/s



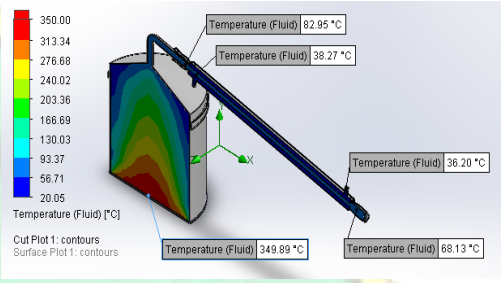

Gambar C.9 Hasil Simulasi pada Debit Air Pendingin 90 ml/s




Gambar C.10 Hasil Simulasi pada Debit Air Pendingin 100 ml/s



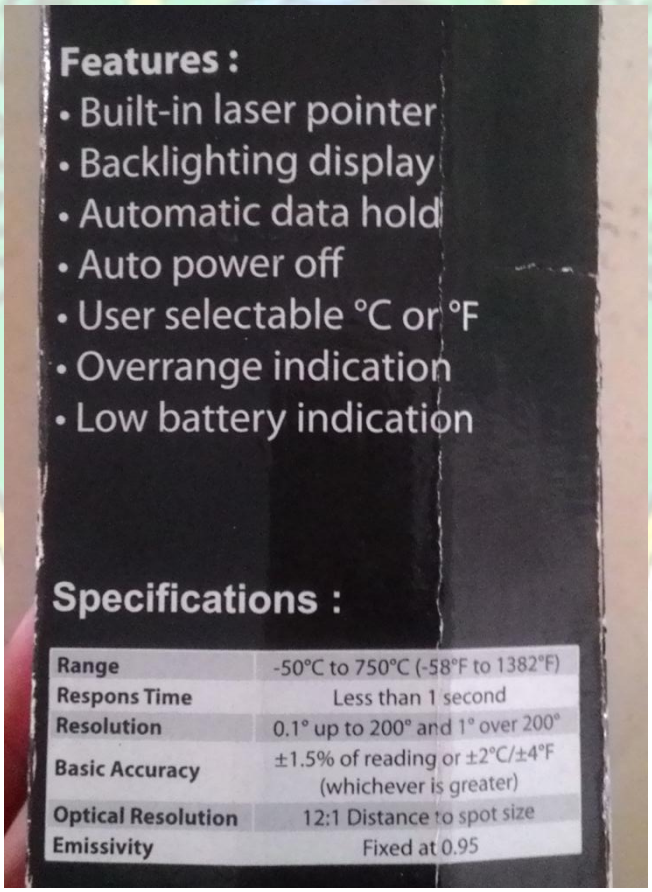

Gambar C.11 Hasil Simulasi pada Debit Air Pendingin 110 ml/s




Gambar C.12 Hasil Simulasi pada Debit Air Pendingin 120 ml/s

**Lampiran D**

**Spesifikasi Alat**



**Features :**

- Built-in laser pointer
- Backlighting display
- Automatic data hold
- Auto power off
- User selectable °C or °F
- Overrange indication
- Low battery indication

**Specifications :**

| | |
|---|---|
| Range | -50°C to 750°C (-58°F to 1382°F) |
| Respons Time | Less than 1 second |
| Resolution | 0.1° up to 200° and 1° over 200° |
| Basic Accuracy | ±1.5% of reading or ±2°C/±4°F (whichever is greater) |
| Optical Resolution | 12:1 Distance to spot size |
| Emissivity | Fixed at 0.95 |

Gambar D.1 Spesifikasi *Infrared* Termometer


## About Analitycal Balance Pioneer Ohaus PA 224

**Timbangan Analitik,Timbangan Analitk Ohaus,Spesifikasi Timbangan Analitik,Harga Timbangan Anlitik Murah,Ketelitian Neraca Analitik,Fungsi Timbangan Analitik,Analitycal Balance Pioneer Ohaus PA 224**

### Description

The OHAUS Pioneer Series of analytical balances are designed for basic routine weighing in a variety of laboratory, industrial and education applications. With the right combination of performance and features, the OHAUS Pioneer offers uncomplicated performance for all your basic weighing needs.

### Features

Applications
Weighing, Parts Counting, Percent Weighing.
Display
Liquid crystal display (LCD).
Operation
AC adapter (included).
Communication
RS232 (included).
Construction
Metal base, ABS housing, stainless steel pan, glass draftshield with sliding top door, up-front level indicator, integral weigh below hook, security bracket, calibration lock, full housing in-use cover.
Design
Selectable environmental filters, auto tare, software lockout and reset menu, user selectable communication and printing settings, auto standby.

### Specifications

| | |
|---|---|
| Maximum Capacity | 220 g |
| Readability | 0.1 mg |
| Pan Size | 3.54 in (90 mm) |
| Internal Calibration | Not Applicable |
| Draftshield | Included |
| Auxiliary Display Model | Available as an Accessory |
| Battery Life | Not Applicable |
| Communication | RS232 (Included) |
| Dimensions (HxLxW) | 11.3 in x 12.6 in x 7.7 in (287 mm x 320 mm x 196 mm) |
| Display | 7 segment LCD with backlit |
| In-use cover | Included |
| Legal for Trade | Not Applicable |
| Minimum Weight (USP), Typical | 0.02 g |
| Net Weight | 8.8 lb (4 kg) |
| Pan Construction | Stainless Steel |
| Power | AC Adapter (Included) |
| Stabilization Time | 3 s |
| Tare Range | To capacity by subtraction |
| Units of Measurement | Milligram;Gram;Kilogram;Ounce;Ounce Troy;Momme;Mesghal;Hong Kong Tael;Singapore Tael;Taiwan Tael;Tical;Tola;Baht;Custom |
| | 50°F – 104°F, 80%RH, non-condensing (10°C – 30°C, 80%RH, non-condensing) |

Gambar D.2 Spesifikasi Timbangan Digital Ohaus