



LAMPIRAN I

SPEKIFIKASI ALAT

I.1 ALAT-ALAT PENGAYAK

Loyang Pengayak

USA Standard Testing Sieve

ASTM E-11 Specification

Ukuran screen : 12, 18, 60, 200 mesh

Produsen : Fiesher Scientific Company



Gambar Lampiran 1.1 Loyang pengayak

Mesin Vibrasi Fritsch

Produsen : Analysette 3 Spartan

Tegangan : 200-240 Volt

Lama vibrasi : 15 menit

Amplitudo : rendah



Gambar Lampiran 1.2 Mesin vibrasi Fritsch

Mesin Vibrasi RO-TAP

Produsen : W.S Tyler Incorporated

Model : RX-29-10

Tipe : RO-TAP

Serial : 2584

Lama vibrasi : 25 menit

Amplitudo : sedang



Gambar Lampiran 1.3 Mesin vibrasi RO-TAP

I.2 Oven Pengering

Oven Heraeus

Produsen : Heraeus Ltd.

Max. temp. : 300°C

Timer : 24 jam

Frequency : 50 Hz

Last Inspection: 25 Juni 2007



Gambar Lampiran 1.4 Oven Heraeus

I.3 Timbangan

Timbangan Analitik Digital

Merek : "Sartorius" Digital Balance

Max. load : 210 gram

Decimal : 4

Last inspection: 8 Mei 2007



Gambar Lampiran 1.5 Timbangan Analitik Sartorius

Timbangan non-Analitik Digital

Merek : "Kubota" Digital Perform Scale

Model : KA-10

Kapasitas : 60 Kg x0.02k

Tare max. : 60 Kg

Decimal : 2

Last inspection: 10 Juli 2007



Gambar Lampiran 1.6 Timbangan Digital Kubota

I.4 *Mixing Blender*

Teledyne *Mixing Blender*

Produsen: Teledyne Specialty

Equipment, Readco Products York, PA

Tipe : FM40 Manufaktur : 1995

No. Seri : 0438 Kapasitas : 1.5 Kg

Digital Controlling

Tegangan : 110 Volt

Last Inseption: 10 Juli 2007



Gambar Lampiran 1.7 *Mixing Blender* Teledyne

I.5 *Mesin Hydraulic Hot Press*

Produsen : PHI city of Indutry, Calif, USA

No. Seri : 91-10-012

Model no. : SPWL420-X-4-M1-X67

Manufaktur : November 91

Control circuit volts : 120

Heater

AC volts : 220 Cycle 50 Phase 3

KW : 5.28 Amps : 14.5

Motor

AC volts : 220 Cycle 50 Phase 3

Amps : 4 HP : 1.5 rpm : 1200

Total Amps : 18.5



Gambar Lampiran 1.8 *Mesin Hydraulic Hot Press*

I.6 *Pengindeks Lelehan (Melt Indexer)*

“Tinius Olsen” *Extrusion Plastometer*

Produsen : Tinius Olsen, Willow

Grove, PA, USA

Model : MP993 *Controller/timer*

digital, direct measurement



Gambar Lampiran 1.9 *Extrusion Plastometer* Tinius Olsen

I.7 Differential Scanning Calorimeter (DSC)

“DSC7” with Thermal Analysis

Controller TAC7/DX

Computerized (O.S.: MS-DOS)

Produsen : The Perkin-Elmer Corp.

Norwalk, Conn.

Tegangan : 230V AC 50 - 60Hz

Arus : 1A



Gambar Lampiran 1.10 Peralatan DSC

I.8 Multi-Testing Machine

Zwick/Roell Multi-Testing Machine with

Compression Load Cell & Support Span

Computerized (O.S.: Windows XP)

Direct measurement

Mode : *tensile, compression, flexural, fatigue*

Beban maks : 1000 kgf.



Gambar Lampiran 1.11 Multi-Testing Machine Zwick/Roell

I.9 Notching Machine dan Izod Impact Testing Machine

Notching Machine

Motorized Notching Machine Ceast

Kedalaman takik maksimum : 2.5 mm

sudut takik : 45°

Kontrol secara manual

Izod Impact Testing Machine

Zwick/Roell Izod Impact Testing Machine

Computerized (O.S.: Windows XP)

Direct measurement

Nominal work capacity: 5.5 Joule

Sudut awal pendulum: 135°

I.10 Penguji Kekerasan

“Matsuzawa” digital Rockwell type hardness tester

Model : DXT-1
S/N : DX1416
Date : 1 – 1994
Min. load : 15 Kg
Max. load : 150 Kg
Hydraulic system
Matsuzawa Seiki Co, Ltd. Tokyo Japan



Gambar Lampiran 1.12 *Matsuzawa Hardness Tester*

