

## DAFTAR PUSTAKA

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## LAMPIRAN

### Hasil Uji Kekerasan Vickers

**DETECH**  
Material Testing Laboratory

**TESTING REPORT**

Customer : Mhs. Andri Mugiono      Sample Marking : -  
Address : Universitas Islam "45"

Location of Performance : PT Detech Profesional Indonesia

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Environment Temp : 25 ± 2 °C  
Type of Test : Vickers Hardness Number (HV) Load Test, 10 Kgf  
Test Method : ASTM E92-17      Reference Code : -

**Sketch Hardness**

1    2    3    4    5

◆    ◆    ◆    ◆    ◆

**Vickers Hardness Number (HV), Test Load Applied, 10 Kgf**

Material Specification	-				
Location	1	2	3	4	5
Result	230	225	222	227	224

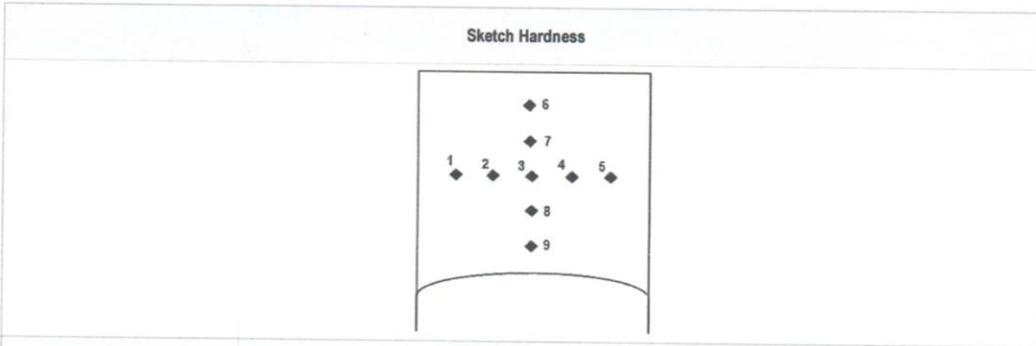
Testing Machine Used : Vickers Hardness Tester, Model : MHRVS-50AT, S/N : 17043  
Remarks : Sample Raw Material Kecil  
Test Conducted by : *Shodley A*

**TESTING REPORT**

**Customer** : Mhs. Andri Mugiono  
**Address** : Universitas Islam "45"  
**Sample Marking** : -

**Location of Performance** : PT Detech Profesional Indonesia

**Environment Temp** : 25 ± 2 °C  
**Type of Test** : Vickers Hardness Number (HV) Load Test, 10 Kgf  
**Test Method** : ASTM E92-17  
**Reference Code** : -



**Vickers Hardness Number (HV), Test Load Applied, 10 Kgf**

Material Specification	-								
Location	1	2	3	4	5	6	7	8	9
Result	243	253	269	287	277	257	259	290	282

**Testing Machine Used** : Vickers Hardness Tester, Model : MHRVS-50AT, S/N : 17043  
**Remarks** : Sample A  
**Test Conducted by** : *Andri A*

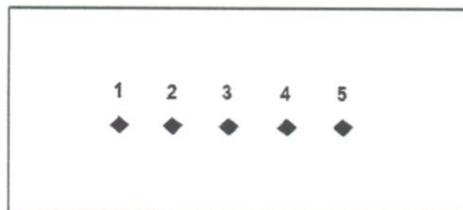
### TESTING REPORT

Customer : Mhs. Andri Mugiono      Sample Marking : -  
Address : Universitas Islam "45"

Location of Performance : PT Detech Profesional Indonesia

Environment Temp : 25 ± 2 °C  
Type of Test : Vickers Hardness Number (HV) Load Test, 10 Kgf  
Test Method : ASTM E92-17      Reference Code : -

#### Sketch Hardness



#### Vickers Hardness Number (HV), Test Load Applied, 10 Kgf

Material Specification	-				
Location	1	2	3	4	5
Result	186	191	195	187	190

Testing Machine Used : Vickers Hardness Tester, Model : MHRVS-50AT, S/N : 17043

Remarks : Sample Raw Material Besar

Test Conducted by : *Shady A*

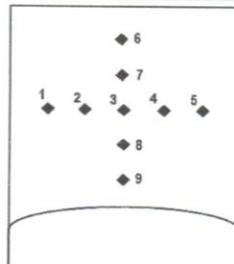
### TESTING REPORT

Customer : Mhs. Andri Mugiono  
Address : Universitas Islam "45" Sample Marking : -

Location of Performance : PT Detech Profesional Indonesia

Environment Temp :  $25 \pm 2$  °C  
Type of Test : Vickers Hardness Number (HV) Load Test, 10 Kgf  
Test Method : ASTM E92-17 Reference Code : -

#### Sketch Hardness



#### Vickers Hardness Number (HV), Test Load Applied, 10 Kgf

Material Specification	-								
Location	1	2	3	4	5	6	7	8	9
Result	280	285	285	263	263	278	272	282	314

Testing Machine Used : Vickers Hardness Tester, Model : MHRVS-50AT, S/N : 17043  
Remarks : Sample B

Test Conducted by

: *Andri A*