

# LAMPIRAN



**Bahan awal**



**Pemotongan bahan**

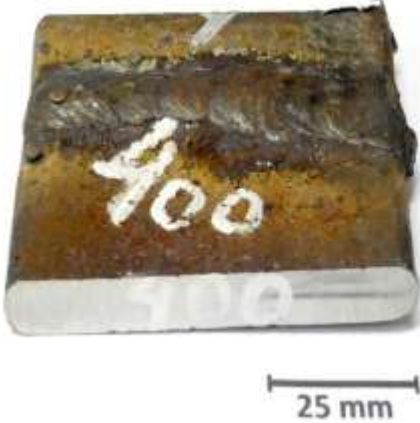


**Hasil potongan**



**Proses penyambungan**

|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>A rectangular metal specimen with a central weld joint. Handwritten markings "A 20" and "T 100" are visible on the left side. A 50mm scale bar is at the bottom right.</p>   |  <p>A rectangular metal specimen with a central weld joint. Handwritten markings "B 20" and "T 100" are visible on the left side. A 50mm scale bar is at the bottom right.</p> |
| <p><b>Hasil penyambunghan sempel A</b></p>                                                                                                                                                                                                                        | <p><b>Hasil penyambunghan sempel B</b></p>                                                                                                                                                                                                                       |
|  <p>A rectangular metal specimen with a central weld joint. Handwritten markings "C 20" and "T 100" are visible on the left side. A 50mm scale bar is at the bottom right.</p> |  <p>A photograph of a cutting machine in operation, showing a bright orange flame and sparks emanating from the cutting head.</p>                                             |
| <p><b>Hasil penyambunghan sempel C</b></p>                                                                                                                                                                                                                        | <p><b>Pemotongan sempel</b></p>                                                                                                                                                                                                                                  |

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |
| <p>Hasil potong sampel A</p>                                                        | <p>Hasil potong sampel B</p>                                                         |
|  |  |
| <p>Hasil potong sampel C</p>                                                        | <p>Proses annealing sampel A</p>                                                     |



Proses annealing sampel B



Proses annealing sampel C



Pengangkatan sampel



Proses pendinginan di ruangan terbuka



**Proses pendinginan di ruangan terbuka**



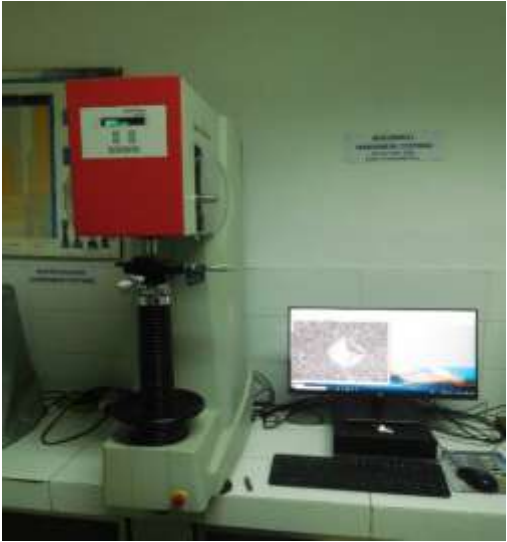
**Pemotongan bahan ke 3 sampel**



**Proses meratakan permukaan**



**Proses meratakan permukaan**

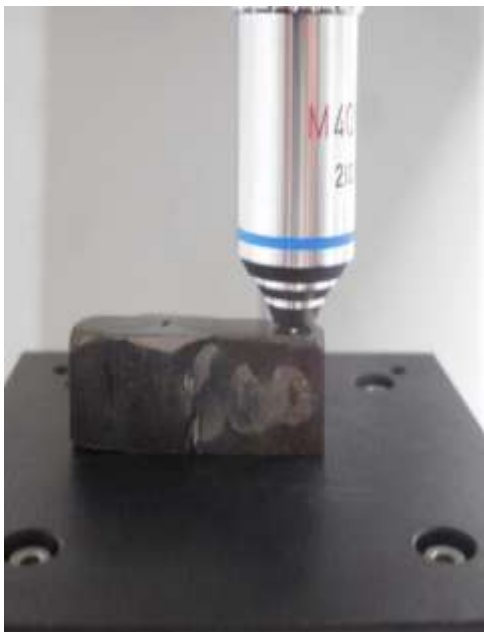
|                                                                                                                                |                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|  <p data-bbox="548 705 776 772">25 mm</p>     |  <p data-bbox="1235 705 1463 772">25 mm</p> |
| <p data-bbox="464 982 789 1020"><b>Hasil proses meratakan</b></p>                                                              | <p data-bbox="1097 982 1422 1020"><b>Hasil proses meratakan</b></p>                                                            |
|  <p data-bbox="548 1465 776 1533">25 mm</p> |                                           |
| <p data-bbox="464 1808 789 1845"><b>Hasil proses meratakan</b></p>                                                             | <p data-bbox="1162 1808 1357 1845"><b>Mesin vickers</b></p>                                                                    |



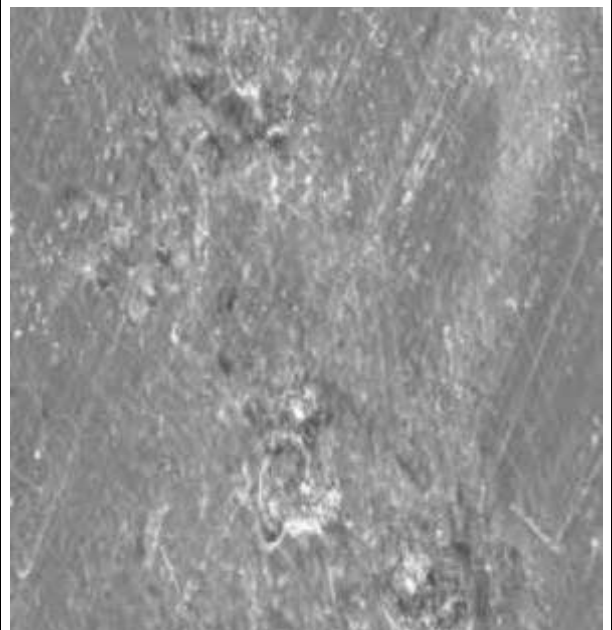
**Permata piramida**



**Mata mesin vickers**



**Proses pengujian kekuatan**

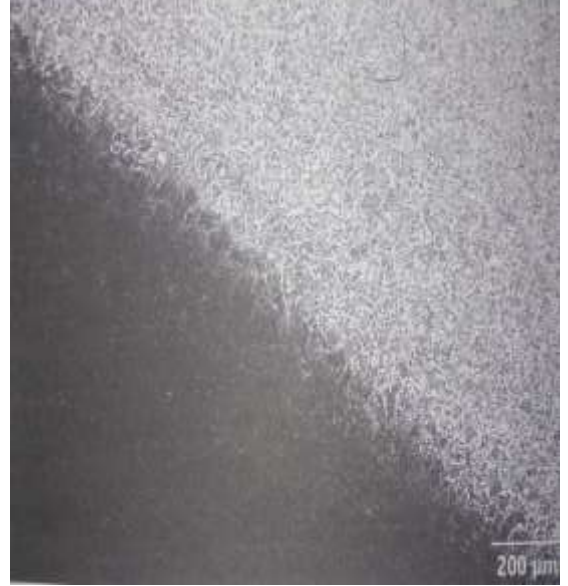


**Struktur mikto awal**

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |
| <b>Struktur mikro sampel A bagian WELD</b>                                          | <b>Struktur mikro sampel A bagian HAZ</b>                                            |
|  |  |
| <b>Struktur mikro sampel A bagian BASE</b>                                          | <b>Struktur mikro sampel B bagian WELD</b>                                           |



**Stuktur mikro sampel B bagian HAZ**



**Stuktur mikro sampel C bagian WELD & HAZ**