B. LAMPIRAN PERHITUNGAN

Perhitungan *Ultimate Tensile Strength* (UTS)

$\sigma_{70} = \frac{F}{A} = \frac{68{,}421\ KN}{143{,}139\ mm^2}$ = 478,0039 MPa

$\sigma_{80} = \frac{F}{A} = \frac{67{,}486\ KN}{138{,}929\ mm^2}$ = 485,7589 MPa

$\sigma_{90} = \frac{F}{A} = \frac{69{,}548\ KN}{138{,}929\ mm^2}$ = 500,6010 MPa

$\sigma_{100} = \frac{F}{A} = \frac{75{,}326\ KN}{145{,}267\ mm^2}$ = 518,5348 MPa

$\sigma_{110} = \frac{F}{A} = \frac{74{,}166\ KN}{141{,}026\ mm^2}$ = 525,9030 MPa

$\sigma_{120} = \frac{F}{A} = \frac{74{,}520\ KN}{141{,}026\ mm^2}$ = 528,4132 MPa

$\sigma_{130} = \frac{F}{A} = \frac{76{,}730\ KN}{143{,}139\ mm^2}$ = 536,1523 MPa

$$\sigma_{140} = \frac{F}{A} = \frac{77{,}841\ KN}{143{,}139\ mm^2} = 543{,}8141\ \text{MPa}$$

$$\sigma_{150} = \frac{F}{A} = \frac{77{,}754\ KN}{141{,}026\ mm^2} = 551{,}3451\ \text{MPa}$$

$$\sigma_{160} = \frac{F}{A} = \frac{74{,}785\ KN}{132{,}732\ mm^2} = 563{,}4285\ \text{MPa}$$