LAMPIRAN

Lampiran 1. Perhitungan luas penampang benang blangko Ne1 18

$$A = \frac{1}{4}\, x\, 3{,}14\, x\, (386{,}22\, x\, 10^{-6})^2 \quad \text{(L.1)}$$

$$A = \ 1{,}1708\, x\, 10^{-7}\ \mathrm{m}^{-2} \quad \text{(L.2)}$$

Lampiran 2. Perhitungan luas penampang benang *coating* Ne1 18

$$A = \frac{1}{4}\, x\, 3{,}14\, x\, (1201{,}66\, x\, 10^{-6})^2 \quad \text{(L.3)}$$

$$A = \ 1{,}1335\, x\, 10^{-6}\ \mathrm{m}^{-2} \quad \text{(L.4)}$$

Lampiran 3. Perhitungan luas penampang benang *coating* dan plasma Ne1 18

$$A = \frac{1}{4}\, x\, 3{,}14\, x\, (1114{,}63\, x\, 10^{-6})^2 \quad \text{(L.5)}$$

$$A = \ 9{,}753\, x\, 10^{-7}\ \mathrm{m}^{-2} \quad \text{(L.6)}$$

Lampiran 4. Perhitungan luas penampang benang blangko Ne1 30

$$A = \frac{1}{4}\, x\, 3{,}14\, x\, (243{,}40\, x\, 10^{-6})^2 \quad \text{(L.7)}$$

$$A = \ 4{,}651\, x\, 10^{-8}\ \mathrm{m}^{-2} \quad \text{(L.8)}$$

Lampiran 5. Perhitungan luas penampang benang *coating* Ne1 30

$$A = \frac{1}{4}\, x\, 3{,}14\, x\, (731{,}13\, x\, 10^{-6})^2 \quad \text{(L.9)}$$

$$A = \ 4{,}196\, x\, 10^{-7}\ \ \mathrm{m}^{-2} \quad \text{(L.10)}$$

Lampiran 6. Perhitungan luas penampang benang *coating* dan plasma Ne1 30

$$A = \frac{1}{4}\ x\ 3{,}14\ x\ (682{,}75\ x\ 10^{-6})^2 \quad \text{(L.11)}$$

$$A = \ 3{,}659\ x\ 10^{-7}\ \ \mathrm{m}^{-2} \quad \text{(L.12)}$$

Lampiran 7. Perhitungan konduktivitas benang *coating* Ne1 18

$$\sigma = \frac{0{,}01}{8\ x\ (1{,}133\ x\ 10^{-6})} \quad \text{(L.13)}$$

$$\sigma = 1102{,}754\ \Omega.\mathrm{m}^{-1} \quad \text{(L.14)}$$

Lampiran 8. Perhitungan konduktivitas benang *coating* dan plasma Ne1 18

$$\sigma = \frac{0{,}01}{3{,}75\ x\ (9{,}753\ x\ 10^{-7})} \quad \text{(L.15)}$$

$$\sigma = 2734{,}227\ \Omega.\mathrm{m}^{-1} \quad \text{(L.16)}$$

Lampiran 9. Perhitungan konduktivitas benang *coating* Ne1 30

$$\sigma = \frac{0{,}01}{7\ x\ (4{,}196\ x\ 10^{-7})} \quad \text{(L.17)}$$

$$\sigma = 3404{,}420\ \Omega.\mathrm{m}^{-1} \quad \text{(L.18)}$$

Lampiran 10. Perhitungan konduktivitas benang *coating* dan plasma Ne1 30

$$\sigma = \frac{0{,}01}{2\ x\ (3{,}659\ x\ 10^{-7})} \quad \text{(L.19)}$$

$$\sigma = 13663{,}811\ \Omega.\mathrm{m}^{-1} \quad \text{(L.20)}$$