

$$B_y = \frac{\rho \mu j z_p}{a_y} \frac{1}{4\pi} \left[\frac{\frac{b}{2} - x_p}{\left[\left(x_p - \frac{b}{2} \right)^2 + \left(y_p - \frac{a}{2} \right)^2 + z_p^2 \right]^{1/2}} + \frac{\frac{b}{2} + x_p}{\left[\left(x_p + \frac{b}{2} \right)^2 + \left(y_p - \frac{a}{2} \right)^2 + z_p^2 \right]^{1/2}} \right] \quad (\text{Eşitlik-2.1})$$

$$B_z = \frac{\rho \mu j (y_p - d/2)}{a_z} \frac{1}{4\pi} \left[\frac{\frac{b}{2} - x_p}{\left[\left(x_p - \frac{b}{2} \right)^2 + \left(y_p - d/2 \right)^2 + z_p^2 \right]^{1/2}} + \frac{\frac{b}{2} + x_p}{\left[\left(x_p + \frac{b}{2} \right)^2 + \left(y_p - d/2 \right)^2 + z_p^2 \right]^{1/2}} \right] \quad (\text{Eşitlik-2.2})$$

$$B_x = \frac{\rho \mu j z_p}{a_x} \frac{1}{4\pi} \left[\frac{\frac{a}{2} - y_p}{\left[\left(x_p + \frac{b}{2} \right)^2 + \left(y_p - d/2 \right)^2 + z_p^2 \right]^{1/2}} + \frac{\frac{a}{2} + y_p}{\left[\left(x_p + \frac{b}{2} \right)^2 + \left(y_p + d/2 \right)^2 + z_p^2 \right]^{1/2}} \right] \quad (\text{Eşitlik-2.3})$$

$$B_z = \frac{\rho \mu j (x_p + b/2)}{a_z} \frac{1}{4\pi} \left[\frac{\frac{a}{2} - y_p}{\left[\left(x_p + \frac{b}{2} \right)^2 + \left(y_p - d/2 \right)^2 + z_p^2 \right]^{1/2}} + \frac{\frac{a}{2} + y_p}{\left[\left(x_p + \frac{b}{2} \right)^2 + \left(y_p + d/2 \right)^2 + z_p^2 \right]^{1/2}} \right] \quad (\text{Eşitlik-2.4})$$

$$B_y = \frac{\rho I \omega z_p}{4\pi} \frac{1}{(y_p + a)^2 + z_p^2} \left[\frac{\frac{b}{2} x_p}{\sqrt{(x_p - b)^2 + (y_p + a)^2 + z_p^2}} + \frac{\frac{b}{2} x_p}{\sqrt{(x_p + b)^2 + (y_p + a)^2 + z_p^2}} \right] \quad (\text{Eşitlik-2.5})$$

$$B_x = \frac{\rho I \omega (y_p + a)}{4\pi} \frac{1}{(y_p + a)^2 + z_p^2} \left[\frac{\frac{b}{2} x_p}{\sqrt{(x_p - b)^2 + (y_p + a)^2 + z_p^2}} + \frac{\frac{b}{2} x_p}{\sqrt{(x_p + b)^2 + (y_p + a)^2 + z_p^2}} \right] \quad (\text{Eşitlik-2.6})$$

$$B_y = \frac{\rho I \omega z_p}{4\pi} \frac{1}{(x_p - b)^2 + z_p^2} \left[\frac{\frac{a}{2} y_p}{\sqrt{(x_p - b)^2 + (y_p - a)^2 + z_p^2}} + \frac{\frac{a}{2} y_p}{\sqrt{(x_p - b)^2 + (y_p + a)^2 + z_p^2}} \right] \quad (\text{Eşitlik-2.7})$$

$$B_4 = \frac{\rho_0 \mu (x-b)}{4\pi} \frac{1}{z} \left[\frac{\frac{a}{2} y_p}{\left[(x-b)^2 + (y-a)^2 + z^2 \right]^{1/2}} + \frac{\frac{a}{2} y_p}{\left[(x-b)^2 + (y+b)^2 + z^2 \right]^{1/2}} \right] \quad (\text{Eşitlik-2.8})$$