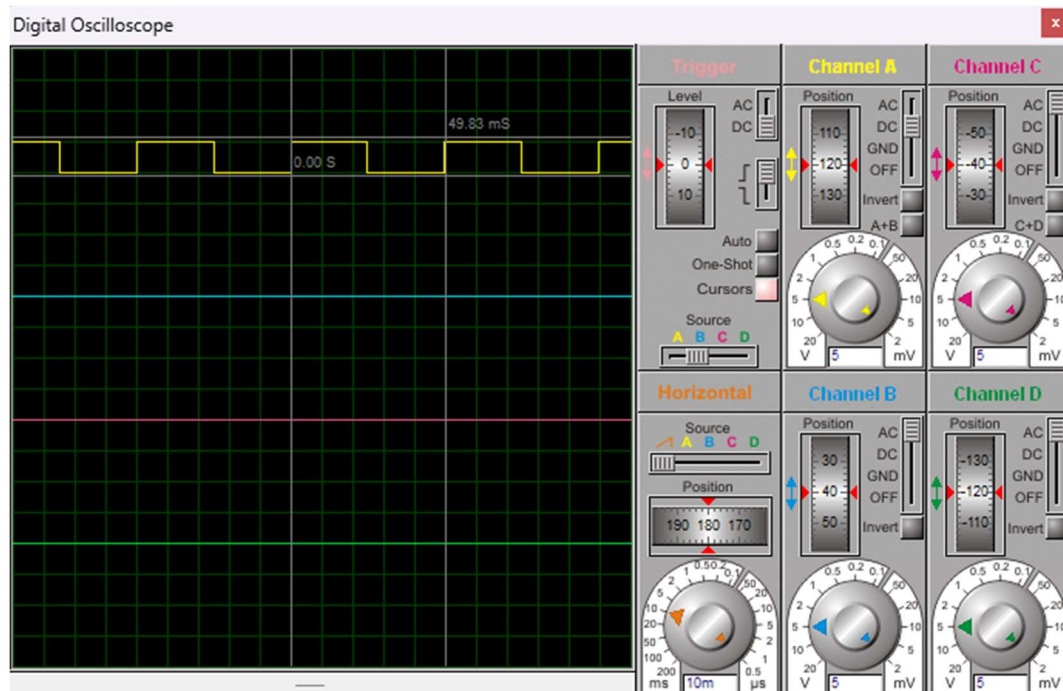




**BLM3061 Mikroişlemci Sistemleri ve Assembly
Dili LAB
LAB 8
ADC/DAC Kullanımı**

Tarık TAŞKIN
21011022

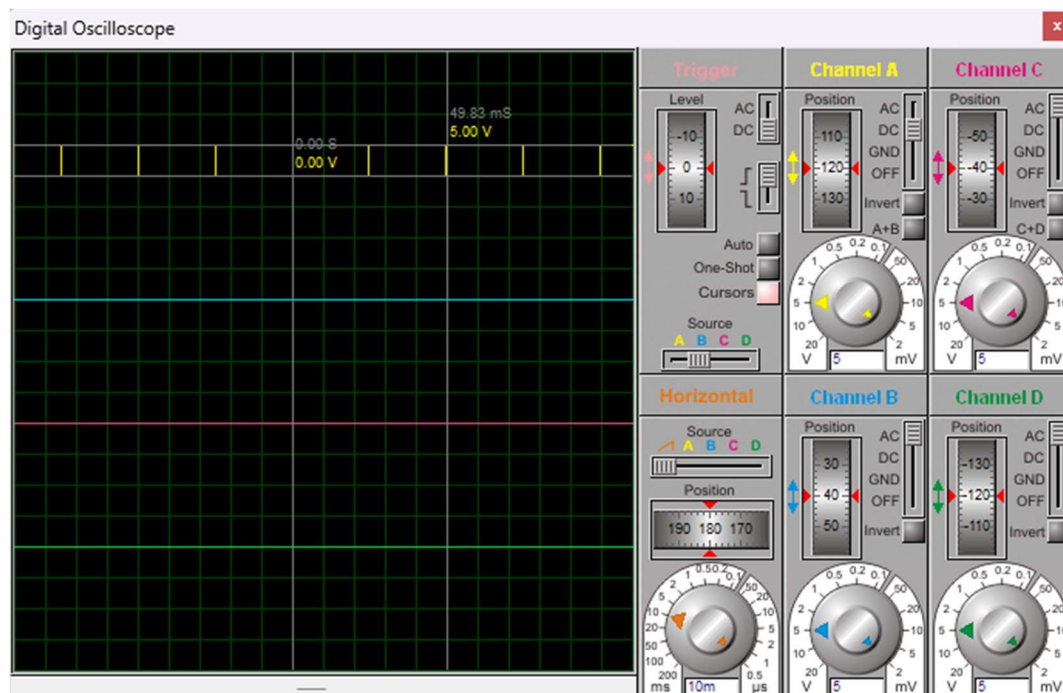
1-Kare Dalga



$$T = 5 \times 10 \text{ ms} = 50 \text{ ms} = 0.05 \text{ sn}$$

$$f = \frac{1}{T} = \frac{1}{0.049} = 20.07 \text{ Hz}$$

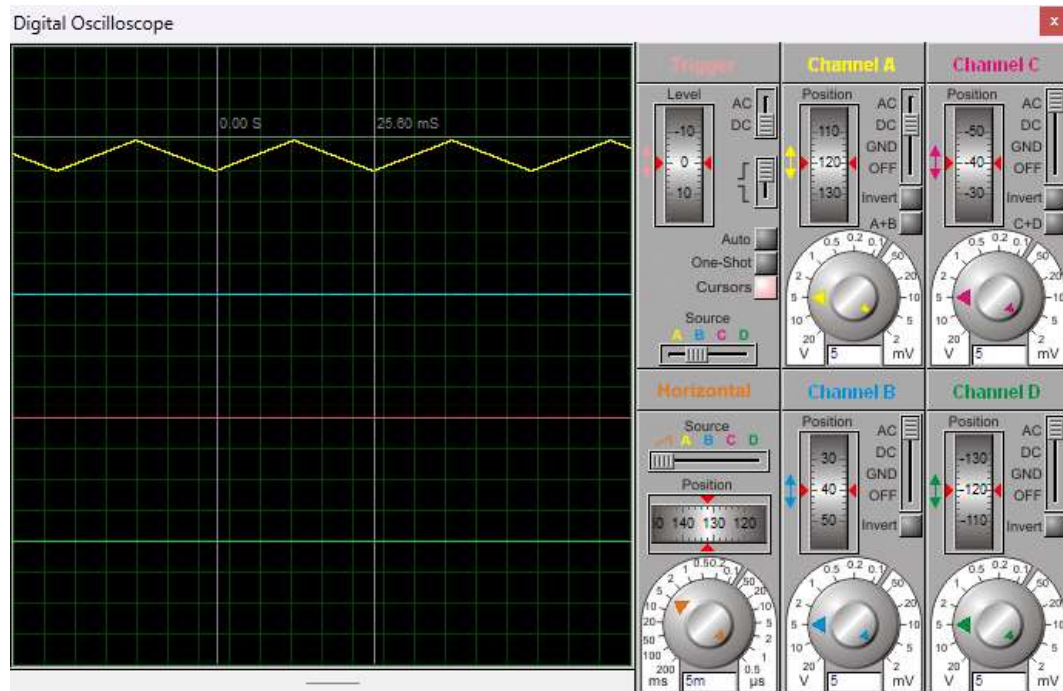
$$Hata = \frac{|20 - 20.07|}{20} * 100 = 0.35\%$$



$$V = 1 \times 5 \text{ V} = 5$$

$$Hata = \frac{|5 - 5|}{5} * 100 = 0\%$$

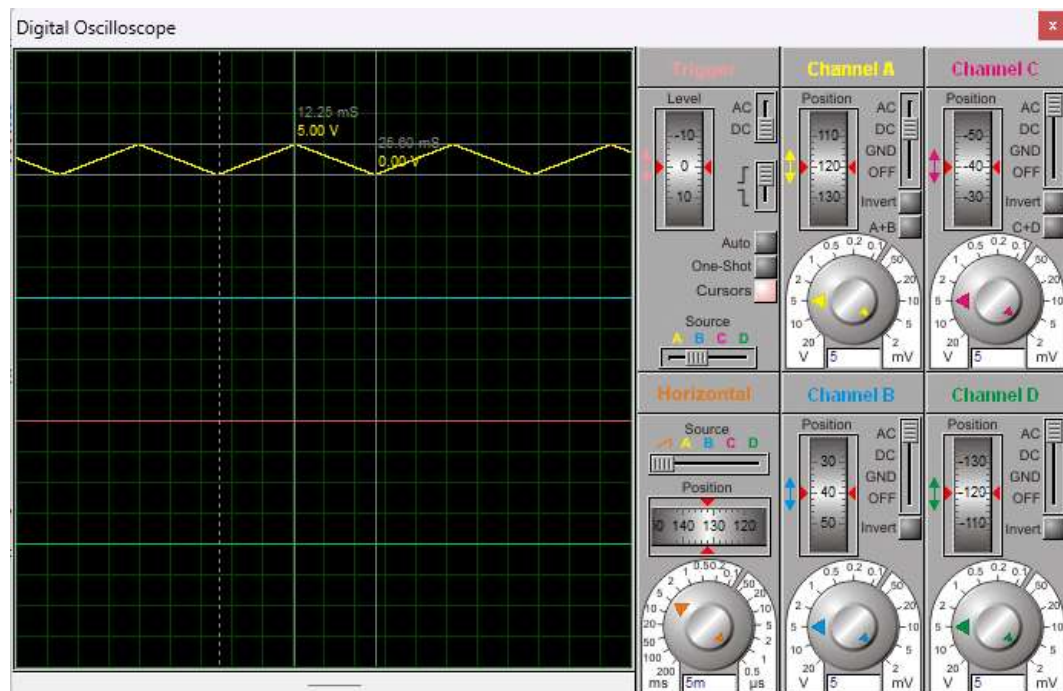
2-Testere Dişi Dalga



$$T = 5 \times 5 \text{ ms} = 25 \text{ ms} = 0.025 \text{ s}$$

$$f = \frac{1}{T} = \frac{1}{0.0256} = 39.06 \text{ Hz}$$

$$\text{Hata} = \frac{|40 - 39.06|}{40} * 100 = 2.35\%$$



$$V = 1 \times 5 \text{ V} = 5$$

$$\text{Hata} = \frac{|5 - 5|}{5} * 100 = 0\%$$