In this study conducted to investigate the different effects of explant sources on in vitro micropropagation of lavender, shoot tip and stem node in the varieties of lavender (L. angustifolia var. Silver) and lavandin (L.x intermedia var. Super A) were used as the sources of explant. While 2.2 mM benzyladenine (BA) + 2.5 mM indole-3-butric acid (IBA) containing Murashige and Skoog (MS) medium was used during the shoot proliferation stage, MS medium containing 2.5 mM naphthalenacetic acid (NAA) was used during the rooting stage. Explants were cultured in the growth room where the temperature is 25°C ± 2°C, lightening is 16 hours and the light intensity is 3000 lux. In both stages, the number of shoots, shoot length, root density, rooted plant weight and survival rates were measured in the explants showing growth. It was statistically significant that the effect of variety and explant source interaction on examined characteristics, and it was determined that the longest shoot length was (5.80 cm) in the shoot tip explant of “Super A” variety, the highest rooted plant weight was (1.06 g plant⁻¹) in the shoot tip explant of “Silver” variety, and the highest shoot number and retention rate were (1.58 number explant⁻¹ and 66.9 % respectively) in the stem node explant of “Silver” variety.