Analysis Result Report Checking the Effectiveness of Digital Citizenship Student Training Modules

An intra-group t test was applied regarding the pre-test and post-test scores on the Digital Citizenship Skills for Children scale. In the first stage, the experimental group pretest and posttest score averages and standard deviations are given in the table below:

Table 1
Experimental Group Pretest and Posttest Score Means and Standard Deviations

	Pretest		Posttest	
	$\bar{x}$	ss	$\bar{x}$	ss
	25.30	4.38	33.67	6.33

According to Table 1, it is seen that there is an increase of 8.37 points between the pre-test and post-test total score averages of the scale (33.67-25.30 = 8.37). To test the significance of the obtained differentiation, an intra-group t test was conducted, and the results are given in table 2:

Table 2
Experimental Group Pretest - Posttest T Test Results

Dimension	$\bar{x}$	ss	t	df	p
Pretest Posttest	-8.378	8.885	-9.334	98	.000

P<.001

The t test results given in Table 2 show that the difference between the pretest and posttest mean scores is significant, $t(1,98)= -9.334$, $p<.001$. Digital Citizenship student training modules implemented for students have increased their Digital Citizenship Skills.