The Figure shows the tunneling electron microscope image and the size distribution of Ag nanocubes / nanospheres. Student-t distribution with 95% confidence interval was used to determine the size of silver nanocubes and nanospheres. Again, the following equation was used to calculate the 100 (1-α) % confidence interval (CI).

\[ \bar{X} \pm t_{\alpha/2} S/\sqrt{n} \]  

In this case, the value of \( t_{\alpha/2} \) is 1.671 under the condition with 60 degree of freedom and 95% CI according to the table of t distribution; n is the numbers of samples; and S is the standard deviation of 63 nanocubes and 65 nanospheres, that is 6.9 for nanocubes and 5.2 for nanospheres.

The average size of silver nanocubes and nanospheres are 54.3 ± 1.45 and 49.6 ± 1.01 nm.