For an angle $\theta$ in standard position, with the terminal side intersecting the unit circle at the point $(x, y)$, the value of the cotangent function is given by $\cot \theta = \dfrac{x}{y}$. Therefore:

$$\cot 60° = \frac{\frac{1}{2}}{\frac{\sqrt{3}}{2}} = \frac{1}{2} \cdot \frac{2}{\sqrt{3}} = \frac{1}{\sqrt{3}} = \frac{1}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$