Here is a way way to combine the output with a name/caption. I adapted this from the post-processing section in <https://orgmode.org/manual/Results-of-Evaluation.html>

Listing 1:

(format "#+name: %s\n#+caption: %s\n%s" name caption data)

Here we have a block that outputs a latex string, for example.

"\\[\\int\_0^2 e^x\\,dx\\]"

(1)

This is an equation.

Référence to (1)