**Appendix 1.** Scale for measuring *naturalness of the robot’s behavior.*
The robot followed social norms.
The robot behaved human-like.
The robot was *not* animated.
The robot was lively.
The robot was expressive.

**Appendix 2.** Scale for measuring *likability of the robot.*
The robot was friendly.
The robot was cheerful.
The robot was polite.
The robot was annoying.
The robot was *not* respectful.
The robot was energetic.

**Appendix 3.** Scale for measuring *competence of the robot.*
The robot was *not* intelligent.
The robot was knowledgeable.
The robot was sensible.
The robot was responsible.
The robot was an expert.
The robot was *not* professional.
The robot was respectful.
The robot was not credible.

**Appendix 4.** Scale for measuring *the robot’s effective use of gesture.*
The robot’s gestures helped me to *understand* the papermaking process.
The robot’s gestures helped me to *remember* the papermaking process.

**Appendix 5.** Scale for measuring *engagement with the task.*
I felt stressed during the experiment.
I did not enjoy participating in the experiment.
I would be willing to participate in a similar experiment.
I was interested during the experiment.
I was *not* attentive during the experiment.
I was satisfied with the experiment.
I was *not* entertained during the experiment.
I was happy during the experiment.

**Appendix 6.** Scale for measuring *rapport with the robot.*
I feel connected to the robot.
I would **not** choose to interact with the robot outside of this study.
I feel that the robot and I have a similar status.
I feel comfortable with the robot.
I do **not** feel that I can empathize with the robot.
Please circle the picture below which best describes your relationship to the robot.¹

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