

Appendix A. Semi-Structured Interview Transcript

Research Title: *Enhancing Scientific Communication and Character Values through AI-Assisted Folklore-Based Story Writing in Elementary STEM Learning*

Interview Code: S01 (High-Performing Student)

Grade: V

Duration: 18 minutes

Researcher (R): How did you feel about learning STEM through folklore-based story writing with AI assistance?

Student (S01): I enjoyed it because the stories were interesting and connected to science. The AI helped me organize my ideas, but I still had to think about whether the scientific information was correct.

R: Did the AI help you understand scientific concepts?

S01: Yes. It suggested words and sentence structures that made it easier to explain why natural phenomena happen. My teacher reminded us to check whether the information was accurate.

R: What was the most challenging part?

S01: Making sure the science matched the folklore. Sometimes the AI gave ideas that were not exactly right, so I discussed them with my group and my teacher before writing.

R: Did this activity improve your communication skills?

S01: Yes. I became more confident explaining science in front of the class because I had already written the ideas clearly in my story.

R: Did you learn any character values?

S01: I learned responsibility because everyone had to finish their part. I also learned to respect my friends' ideas and cooperate when revising the story.

R: Would you like to use this learning model again?

S01: Yes. It makes science more interesting and helps me be creative.

Interview Code: S05 (Average-Performing Student)

R: What was your experience using AI during story writing?

S05: At first, I didn't know how to start my story. The AI gave me ideas, and then I changed them into my own words.

R: What did you learn from the folklore?

S05: The story taught me to protect nature. I also understood that science can explain why events in the story happen.

R: Did working in groups help you?

S05: Yes. My friends helped me correct scientific terms, and we checked the AI suggestions together.

R: Did your confidence change?

S05: Yes. I was more confident presenting my story because I had practiced explaining the science.

Interview Code: S09 (Low-Performing Student)

R: Was it difficult to use AI?

S09: At first it was confusing, but after the teacher showed us how to use it, it became easier.

R: How did AI help your learning?

S09: It gave me ideas when I couldn't think of what to write. Then my teacher helped me correct the scientific information.

R: What did you learn about character?

S09: I learned to be honest and not copy everything from AI. We had to write using our own ideas.

R: What was your favorite activity?

S09: Reading the local folklore and making it into a science story because it was fun.

Thematic Coding Summary

Theme	Representative Student Quotations
Improved Scientific Communication	"The AI helped me explain science more clearly."
Better Understanding of Scientific Concepts	"I understood why natural phenomena happen after writing the story."
AI as a Learning Support Tool	"AI gave me ideas, but I still had to check whether they were correct."
Character Development	"I learned responsibility, honesty, and cooperation while writing with my group."
Positive Learning Experience	"The activities made science enjoyable and increased my confidence."