

## Perspectives on scientific argumentation: theory, practice and research

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20400552&lokasi=lokal>

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### Abstrak

This book attempts to consolidate contemporary thinking and research on the role of scientific argumentation in education.

Perspectives on scientific argumentation brings together prominent scholars in the field to share the sum of their knowledge about the place of scientific argumentation in teaching and learning. Chapters explore scientific argumentation as a means of addressing and solving problems in conceptual change, reasoning, knowledge-building and the promotion of scientific literacy. Others interrogate topics such as the importance of language, discursive practice, social interactions and culture in the classroom. The material in this book, which features intervention studies, discourse analyses, classroom-based experiments, anthropological observations, and design-based research, will inform theoretical frameworks and changing pedagogical practices as well as encourage new avenues of research.