


# Chapter 20

## Qualitative Instrumentation Field Tests and Expert Panel Reviews: A Focus on the Multidimensional Addiction Behaviour Scale (MABS) for Dissertation Research

**Ranjit Singha**

 <https://orcid.org/0000-0002-3541-8752>

*Christ University, India*

**Kanna S. Yogesh**

*Christ University, India*

### **ABSTRACT**

*This chapter explores the essential methodologies of qualitative instrumentation field tests and expert panel reviews in dissertation research. It outlines the definitions and roles of qualitative instruments, the planning and execution of field tests, and the analysis of field test data. The chapter also covers organizing and analyzing expert panel reviews, synthesizing feedback, face validation and refining instruments. Highlighting the importance of these methodologies demonstrates how field tests provide practical insights, and expert reviews offer theoretical critique, ensuring the reliability and validity of research tools. The expert's validation of the Multidimensional Addiction Behaviour Scale (MABS) demonstrated the importance of experts' input in refining measurement tools. Removing certain items and*

DOI: 10.4018/979-8-3693-3069-2.ch020

*dimensions and restructuring the items for scale improved focus and effectiveness, highlighting the need for iterative refinement and ongoing validation in addiction research. This chapter equips dissertation students with essential methodologies for validating research.*

## **INTRODUCTION**

This chapter guides dissertation students in developing and validating research instruments, emphasizing practical methodologies like field tests and expert reviews to enhance reliability and credibility in their research. In qualitative or quantitative research, the robustness and credibility of the instruments employed are paramount to the integrity of the research outcomes. Dissertation research, in particular, demands meticulous attention to the development and validation of these instruments to ensure that they effectively capture the complexities and nuances of the phenomena under study (Chan, 2014; Solans-Domènech et al., 2019). This chapter addresses two critical methodologies—qualitative instrumentation field tests and expert panel reviews—that are vital in enhancing the reliability and validity of qualitative or quantitative research instruments.

This chapter is designed to provide a comprehensive guide for researchers embarking on dissertation projects that require developing and validating qualitative or quantitative instruments. It delineates the processes involved in conducting qualitative instrumentation field tests and organizing expert panel reviews, offering a structured approach to each. The chapter aims to equip researchers with the tools to ensure their instruments are reliable and valid by focusing on practical steps and considerations.

Qualitative instrumentation field tests and expert panel reviews are indispensable in the dissertation research process. Field tests allow researchers to pilot their instruments in real-world settings, providing invaluable insights into their functionality, clarity, and effectiveness. These tests can reveal issues that may not be apparent in the initial stages of instrument development, enabling researchers to make necessary adjustments before full-scale deployment (Khodyakov et al., 2011; Waltz et al., 2015).

Expert panel reviews, on the other hand, bring together a group of knowledgeable individuals who can provide critical feedback on the instrument's content, structure, and relevance. This feedback is essential for refining the instrument and ensuring it meets the highest standards of academic rigour. The combined use of field tests and expert panel reviews creates a robust mechanism for validating qualitative instruments, thereby enhancing the overall quality and trustworthiness of the research (Abma-Schouten et al., 2023; Brunet & Müller, 2022; Solans-Domènech et al., 2019).

32 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: [www.igi-global.com/chapter/qualitative-instrumentation-field-tests-and-expert-panel-reviews/364420](http://www.igi-global.com/chapter/qualitative-instrumentation-field-tests-and-expert-panel-reviews/364420)

## Related Content

---

### Assessment of Theses in Design Education: Conceptualizing a Co-Creative Process for Grading by Automated Criteria Evaluation

Nina Svenningsson, Montathar Faraonand Victor Villavicencio (2021). *International Journal of Innovative Teaching and Learning in Higher Education* (pp. 1-17).

[www.irma-international.org/article/assessment-of-theses-in-design-education/294567](http://www.irma-international.org/article/assessment-of-theses-in-design-education/294567)

### Transgressions on Students and Faculty of Color in Higher Education: A Consideration of Potential Strategies

Milton A. Fuentes, Casey R. Shannon, Muninder K. Ahluwaliaand Crystal S. Collier (2018). *Promoting Ethnic Diversity and Multiculturalism in Higher Education* (pp. 132-147).

[www.irma-international.org/chapter/transgressions-on-students-and-faculty-of-color-in-higher-education/199157](http://www.irma-international.org/chapter/transgressions-on-students-and-faculty-of-color-in-higher-education/199157)

### Opinions of the Software and Supply Chain Assurance Forum on Education, Training, and Certifications

Beatrix Boyens (2022). *Research Anthology on Advancements in Cybersecurity Education* (pp. 196-210).

[www.irma-international.org/chapter/opinions-of-the-software-and-supply-chain-assurance-forum-on-education-training-and-certifications/292110](http://www.irma-international.org/chapter/opinions-of-the-software-and-supply-chain-assurance-forum-on-education-training-and-certifications/292110)

### Internationalization of Philippine Higher Education Institutions: A Review of National Policies, Institutional Practices, and Emerging Challenges

Caren Orlanda Ventayen, Renato E. Salcedo, Ian Dagli Evangelista, Leizel M. Del Castilloand Krigher C. Simbulan (2026). *Policies and Initiatives in the Internationalization of Higher Educational Institutions* (pp. 455-482).

[www.irma-international.org/chapter/internationalization-of-philippine-higher-education-institutions/413626](http://www.irma-international.org/chapter/internationalization-of-philippine-higher-education-institutions/413626)

## Hardware-Free Network Internals Exploration: A Simulation-Based Approach for Online Computer Networking Course

Qian Liu (2024). *International Journal of Innovative Teaching and Learning in Higher Education* (pp. 1-16).

[www.irma-international.org/article/hardware-free-network-internals-exploration/339002](http://www.irma-international.org/article/hardware-free-network-internals-exploration/339002)