Contents

1	Looking at Research			
	1.1	Introduction	1	
	1.2	Looking at Reality		
	1.3	Problematising	5	
	1.4	Problem Stakeholders		
	1.5	Conducting Research		
	1.6	The Nature of a Research Question	11	
		1.6.1 Open and Closed Questions	11	
	1.7	Linking the Research Question, Problem and Goal	13	
		1.7.1 Problem Definition	13	
	1.8	The Position and Role of the Researcher		
	1.9	What Is Methodology?	17	
	1.10	Chapter Summary	18	
	Refe	rences	19	
2	The	The Essence of Methodology		
_	2.1	Introduction	21	
	2.2	Search Behaviour: From Problem to Answer		
	2.3	The Research Pyramid		
	2.4	Basic Attitude Matching 'Search Behaviour'		
	2.4	2.4.1 Basic Approach		
		2.4.2 Positivism	29	
		2.4.3 Constructivism	29	
	2.5	Methodology: Not a Map, But a Domain	31	
	2.6	Methodology and Method		
	2.0	2.6.1 Methods		
	2.7	Techniques: Thinking and Acting		
	2.8	Data Techniques		
	2.9	The Distinction Between Qualitative and Quantitative Research		
		Research Design		
		Chapter Summary		
		rences		
	-1010			

xii Contents

3	Conceptual M	lodels	43
		ion	43
	3.2 Defining	a (Conceptual) Model	44
	3.2.1 Ma	ps and Models	44
		operties of Conceptual Models	45
		nd Conceptual Models	46
		tions of a Conceptual Model in Designing Research	47
		estion: Open or Closed?	50
			51
			53
		ting a Conceptual Model	
		Summary	
		onceptualising Methodology	
		alising Methodology	
		The Social Origins of Problems	
		nstrumentality	
		ntervention	
		Measurability	
	A.1.5 T	Theory	60
	A.1.6 S	Subjectivity	61
	A.1.7 C	Ontology	61
	A.1.8 E	Epistemology	62
	A.1.9 E	Deontology	62
		Finally: The Role of the Researcher	
	References	······	63
4	0	D1	,,
4		Research	65
		on	
		of Bricks: Closed Question	
		ve Paradigm	
		ve Methodology	71
		ve Methods and Techniques	72
		ve Research Criticised	73
		ummary	74
	References		74
_	0 114 dt 10		
5		esearch	77
		tion	77
		of Bricks: Open Question	78
	5.3 Qualitati	ve Paradigm	80
	5.4 Qualitati	ve Methodology	81
	5.5 Qualitati	ve Methods	83
	5.5.1 Ex	ample 1: Grounded Theory (GT)	84
	5.5.2 Th	e GT Instructions	84

Contents xiii

		5.5.3 Example 2: Chain Reasoning According to Toulmin	85	
		5.5.4 The Instructions of Chain Reasoning	85	
		5.5.5 Example 3: Action Research	86	
		5.5.6 Guidelines for Action Research	86	
	5.6	Qualitative Techniques	87	
	5.7	Qualitative Research Criticised	88	
		5.7.1 Box 5.7: Analysing a simple conversation (2)	89	
	5.8	Chapter Summary	88	
	Refe	erences	90	
	Inte	rlude II Combining a Qualitative and Quantitative Approach		
		in One Research Design	91	
	A.1	Combining a Qualitative and Quantitative Approach in One		
		Research Design	91	
		A.1.1 Introduction		
		A.1.2 Phase 1: Observing and Deducing		
		A.1.3 Phase 2: Theorising and Conceptualising		
		A.1.4 Phase 3: Interpretation and Application		
		A.1.5 Combining the Best of Both		
		A.1.6 Using the Nature of the Question for a Multi-method		
		Approach	95	
	Refe	erences		
6	Asse	essing Your Research	97	
		Introduction	97	
	6.2	Juggling with Requirements and Criteria	99	
		6.2.1 Classification of Criteria	99	
		6.2.2 In Advance	99	
		6.2.3 During	100	
		6.2.4 Afterwards	101	
	6.3	Quantitative Requirements	103	
	6.4	Qualitative Requirements	103	
	6.5	Responsibility Assessment	105	
	6.6	Criticism	106	
		6.6.1 Quantitative	107	
			107	
	6.7		108	
	Refe		109	
7	Acting and Organising111			
′	7.1		111	
	7.1		113	
	1.4		115 115	
			115 116	
	72		110 118	
	7.3		110 118	
		7.3.1 Kilowilig	110	

xiv Contents

		7.3.2 Justifying	119					
		7.3.3 Acting and Organising	120					
	7.4	Design and Change	121					
		7.4.1 Patriarch Lewin	122					
		7.4.2 Criticism	123					
		7.4.3 Action and Designing	123					
	7.5	Methodology and Technique	124					
	7.6	Chapter Summary	126					
	References		126					
8 Elaborating Your Own Research Design		oorating Your Own Research Design	127					
	8.1	Introduction	127					
	8.2	The Research Proposal	128					
	8.3	A Summary in the Form of Questions	130					
	8.4	Checklist for assessing a Master Thesis or Dissertation	134					
		8.4.1 Title and Structure	134					
		8.4.2 Readability	135					
		8.4.3 Justification	135					
		8.4.4 Maintenance	135					
	8.5	Epilogue	136					
		erences	136					
9	Con	parative Glossary	137					
10	Epil	ogue	165					
Ref	References Glossary 10							