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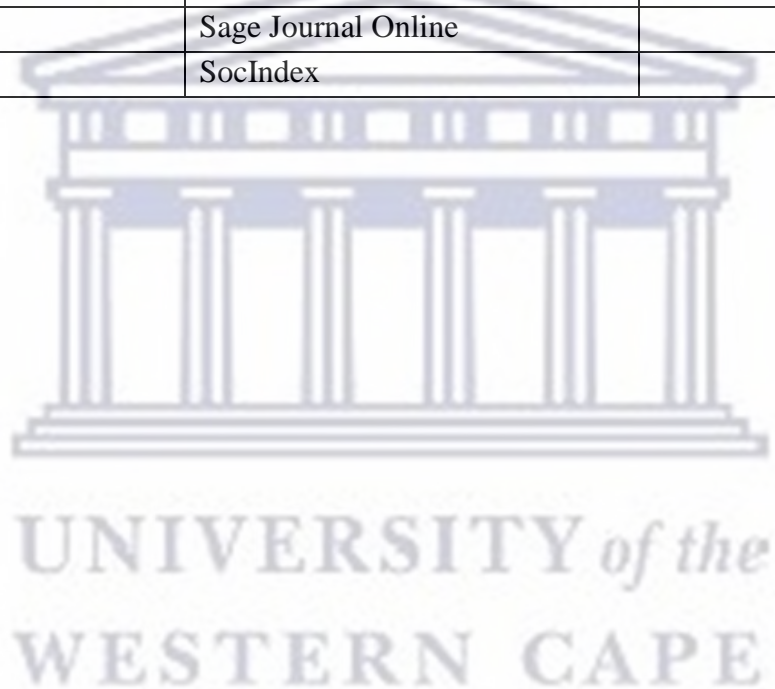
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Appendix A: List of Databases

Natural Sciences	Social Science	Education & Health
BioMed Central	African Development Indicators	Academic Search Complete
BioOne	The African Journal Archive	EbscoHost Web
Health Source: Consumer Edition	AnthroSource	Emerald eJournal Premier
Health Source: Nursing Edition	Cambridge Journal Online	MasterFile Premier
Medline (Pubmed)	CINAHL	SA ePublications
Medline (EbscoHost)	JSTOR	Wiley Online Library
PubMed	Nexus	
ScienceDirect	Oxford Journals Online	
SCOPUS	PsychARTICLES	
	Sabinet African Journal Archive	
	Sage Journal Online	
	SocIndex	



Appendix D: Critical Appraisal Tool for Qualitative Studies

Critical Appraisal Tool for Qualitative Studies		
Reviewer: _____ Author: _____ Title: _____ Year: _____		
Study Purpose	Yes (1)	No (0)
<ol style="list-style-type: none"> 1. Has an extensive literature review been conducted to inform the context and background of the study? 2. Is the problem statement been made explicit? 3. Is a clear rationale for the study provided? 4. Have the Aims been clearly stated? 5. Are the objectives clearly stated? 6. Are the aims and objectives explicitly linked to the research question? Total:		
Study Design	Yes (1)	No (0)
<ol style="list-style-type: none"> 1. Does the article seem to explore/interpret the subjective experiences of participants? 2. Is the methodology suitable for the proposed objectives? 3. Does the research design address the aims and objectives of the study? 4. Did the authors indicate the reasoning for the methodology? 5. Is a theoretical framework or underpinning identified? Total:		
Sampling	Yes (1)	No (0)

1.	Is the source population identified?		
2.	Is there a clear distinction between probability and non-probability sampling?		
3.	Is the sampling method appropriate?		
4.	Did the author/s motivate their sample choice?		
5.	Are inclusion and exclusion criteria clearly stipulated?		
6.	Is the sample representative of the population?		
7.	Has informed consent been obtained from participants?		

Total:			
Data Collection		Yes (1)	No (0)
1.	Is data collected in an ethically sound manner?		
2.	Is the setting of data collection noted?		
3.	Did the authors explicitly indicate the method of data collection (e.g. interviews, Focus groups, etc.)?		
4.	Are these methods of data collection appropriate?		
5.	Were any methods modified during the course of the study?		
6.	Is the form of data clear (notes, tape-recordings, etc.)?		
Total:			
Data Analysis		Yes (1)	No (0)
1.	Is the Method of data analysis clearly stipulated?		
2.	Did the author provide an in-depth description of the process of analysis?		
3.	Is there sufficient data to support the findings?		
4.	Was contradictory data accounted for?		
5.	Has the Author/s accounted for bias and influence?		
Total:			

Findings	Yes (1)	No (0)
<p>1. Are the findings made explicit? Is there adequate evidence to support the findings?</p> <p>2.</p> <p>3. Has the researcher discussed the credibility of findings (e.g. triangulation, another analyst, respondent validation)?</p> <p>4. Are findings linked to the research question?</p> <p>5. Are findings generalizable?</p> <p>Total:</p>		
Conclusion	Yes (1)	No (0)
<p>1. Is the conclusion clear?</p> <p>2. Is the conclusion supported by the findings?</p> <p>3. Are appropriate recommendations made?</p> <p>4. Are limitations explicitly identified?</p> <p>Total:</p>		
Ethical Considerations	Yes (1)	No (0)
<p>1. Is ethical approval obtained from an identifiable committee?</p> <p>2. Did the Author/s report of gaining access from appropriate institutions?</p> <p>3. Have these ethical issues been reported on: Confidentiality? Anonymity? Withdrawal?</p> <p>Total:</p>		

Total Score/ Percentage Weak (0-30%) Moderate (31-65%) Strong (66-80%) Excellent (81-100%) (Studies below the threshold stipulated in the category strong shall be excluded. In addition, studies not focusing on the impact of maternal methamphetamine ('tik') use on the cognitive development and school readiness of children in early childhood development shall be excluded.)	Score (/41)	%
Overall Outcome: Include <input type="checkbox"/> Exclude <input type="checkbox"/> Seek Further Info <input type="checkbox"/>		



Appendix E: Critical Appraisal Tool for Quantitative Studies

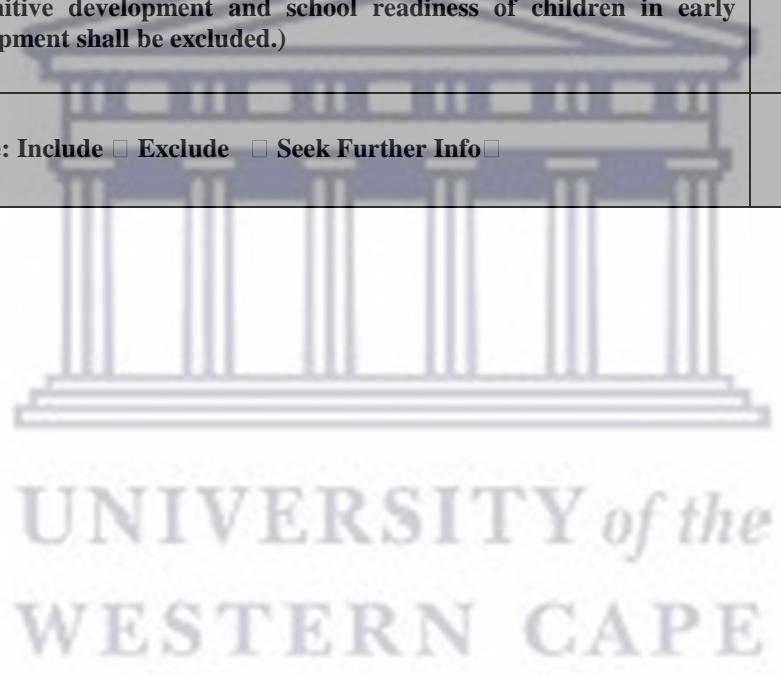
Critical Appraisal Tool for Quantitative Studies		
Reviewer: _____ Author: _____ Title: _____ Year: _____		
Study Purpose	Yes (1)	No (0)
1. Is the problem statement been made explicit? 2. Is a clear rationale for the study provided? 3. Have the Aims been clearly stated? 4. Are the objectives clearly stated? 5. Are the objectives clearly stated? 6. Are the aims and objectives explicitly linked to the research question? Total:		
Literature Review		
1. Has an extensive literature review been conducted to inform the context and background of the study? 2. Are gaps in the literature identified? 3. Is the need for further research addressed? Total:		
Study Design	Yes (1)	No (0)

<ol style="list-style-type: none"> 1. Is the research design identified (e.g. RCT, Cohort design, case study, cross-selection, etc.)? 2. Are the essential features of the design stipulated? 3. Is the study design appropriate? 4. Have the author/s indicated the reasoning for their design selection? 5. Does the research design address the aims and objectives of the study? 		
Total:		
Sampling	Yes (1)	No (0)

<ol style="list-style-type: none"> 1. Is the source population identified? 2. Is there a clear distinction between probability and non-probability sampling? 3. Did the author/s motivate their sample choice? 4. Is the sampling method appropriate? 5. Is the sample representative of the population? 6. Is the sampling size justified? 7. Has informed consent been obtained from participants? 		
Total:		
Outcomes	Yes (1)	No (0)

<p>1. Were the instruments used clearly identified with references?</p> <p>2. Are these instruments appropriate?</p> <p>3. Were steps taken to ensure the reliability of outcome measures?</p> <p>4. Did the Author/s account for:</p> <p>Sample bias? Measurement bias? Performance bias</p> <p>5. Which psychometric properties were reported on:</p> <p>Did they report on psychometric properties? Psychometric properties on the scale of the sample? Type of data produced by instrument? Did the data produced support the proposed analysis?</p> <p>Total:</p>		
Findings	Yes (1)	No (0)
<p>1. Is the statistical significance of the results indicated?</p> <p>2. Is such statistical significance justified?</p> <p>3. Are analysis methods appropriate?</p> <p>4. Are results correctly interpreted in relation to the research question?</p> <p>Total:</p>		
Conclusion	Yes (1)	No (0)
<p>1. Is the conclusion clear?</p> <p>2. Is the conclusion supported by the findings?</p> <p>3. Are appropriate recommendations made?</p> <p>4. Are limitations explicitly identified?</p> <p>Total:</p>		
Ethical Considerations	Yes (1)	No (0)
<p>1. Is ethical approval obtained from an identifiable committee?</p>		

<p>2. Did the Author/s report of gaining access from appropriate institutions?</p> <p>Have these ethical issues been reported on:</p> <p>3. Confidentiality? Anonymity? Withdrawal?</p> <p>Total:</p>		
<p>Total Score/ Percentage</p> <p>Weak (0-30%) Moderate (31-65%) Strong (66-80%) Excellent (81-100%)</p> <p>(Studies below the threshold stipulated in the category strong shall be excluded. In addition, studies not focusing on the impact of maternal methamphetamine ('tik') use on the cognitive development and school readiness of children in early childhood development shall be excluded.)</p>	<p>Score (/45)</p>	<p>%</p>
<p>Overall Outcome: Include <input type="checkbox"/> Exclude <input type="checkbox"/> Seek Further Info <input type="checkbox"/></p>		



Appendix F: Critical Appraisal Tool for Mix Method Studies

Critical Appraisal Tool for Mixed Method Studies		
Reviewer: _____ Author: _____ Title: _____ Year: _____		
Study Purpose	Yes (1)	No (0)
1. Is the problem statement made explicit? 2. Is a clear rationale for the study provided? 3. Have the aims been clearly stated? 4. Are the objectives clearly stated? 5. Are the aims and objectives explicitly linked to the research question? Total:		
Literature Review		
1. Has an extensive literature review been conducted to inform the context and background of the study? 2. Has a theoretical framework been identified? 3. Are gaps in the literature identified? 4. Is the need for further research addressed? Total:		
Study Design	Yes (1)	No (0)
1. Is the research design clearly identified (e.g. RCT, cohort design, case study, grounded action theory, etc.)? 2. Are the essential features of the design stipulated? 3. Has the author/s indicated reasoning for their design selection? 4. Does the research design address the aims and objectives of the study? Total:		
Sampling	Yes (1)	No (0)

<p>1. Is the source population identified?</p> <p>2. Is the method of sampling clearly identified?</p> <p>3. Are the inclusion and exclusion criteria explicitly identified?</p>		
<p>4. Is the sampling method appropriate for the aims and objectives outlined in the study?</p> <p>5. Is the sample representative of the population?</p> <p>6. Is the sampling size justified?</p> <p>Total:</p>		
Outcomes	Yes (1)	No (0)
<p>1. Were the instruments used clearly identified?</p> <p>2. Are these instruments appropriate?</p> <p>3. Were steps taken to ensure the reliability of outcome measures?</p> <p>4. Did the author/s account for potential bias?</p> <p>5. Has the researcher accounted for their role in the current study?</p> <p>6. Were psychometric properties reported on (scale of sample, data produced by instruments, etc.?)</p> <p>Total:</p>		
Findings	Yes (1)	No (0)
<p>1. Are the results clearly stipulated?</p> <p>2. Are outcomes justified by adequate findings (both statistical and descriptive findings)?</p> <p>3. Are methods of analysis appropriate?</p> <p>4. Are results correctly interpreted in relation to the research question?</p> <p>5. Are qualitative and quantitative results integrated?</p> <p>Total:</p>		
Conclusion	Yes (1)	No (0)

<p>1. Is the conclusion clear?</p> <p>2. Is the conclusion supported by the findings?</p> <p>3. Are appropriate recommendations made?</p> <p>4. Are limitations explicitly identified?</p> <p>Total:</p>		
Ethical Considerations	Yes (1)	No (0)
<p>1. Was ethical approval obtained from an identifiable committee?</p> <p>2. Did the author/s report on gaining access from appropriate institutions?</p> <p>3. Have the following ethical issues been reported:</p> <p style="padding-left: 40px;">Informed consent</p> <p style="padding-left: 40px;">Confidentiality</p> <p style="padding-left: 40px;">Anonymity</p> <p style="padding-left: 40px;">Withdrawal</p> <p>Total:</p>		
<p>Total Score/Percentage</p> <p>6. Weak (0–30%)</p> <p>7. Moderate (31%–65%)</p> <p>8. Strong (66%–80%)</p> <p>9. Excellent (81%–100%)</p> <p>(Studies below the threshold stipulated in the category strong shall be excluded. In addition, studies not focusing on the impact of maternal methamphetamine (“tik”) use on the cognitive development and school readiness of children in early childhood development shall be excluded.)</p>	Score (/41)	%
<p>Overall Outcome: Include <input type="checkbox"/> Exclude <input type="checkbox"/> Seek Further Info <input type="checkbox"/></p>		

Appendix G: Data Extraction Sheets

Author	General Description			
	<i>Target population</i>	<i>Demographic Variables</i>	<i>Geographic Location</i>	<i>Aim/problem statement</i>

Author	Methodology				
	<i>Study Design</i>	<i>Theoretical underpinning</i>	<i>Sampling method</i>	<i>Sample size</i>	<i>Data collection method/instrument</i>

Author	Findings and Analysis			
	<i>Results, Evidence, Findings</i>	<i>Conclusion</i>	<i>Recommendations</i>	<i>Limitations of Study</i>

Appendix H: Ethical Clearance letter



UNIVERSITY of the
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20 November 2018

Ms A Willemse
Child and Family Studies
Faculty of Community and Health Science

Ethics Reference Number: BM18/8/3

Project Title: Impact of maternal methamphetamine ('tik') use on the cognitive development and school readiness of children in early childhood development: a systematic review.


Approval Period: 19 October 2018 – 19 October 2019

I hereby certify that the Biomedical Science Research Ethics Committee of the University of the Western Cape approved the scientific methodology and ethics of the above mentioned research project.

Any amendments, extension or other modifications to the protocol must be submitted to the Ethics Committee for approval.

Please remember to submit a progress report in good time for annual renewal.

The Committee must be informed of any serious adverse event and/or termination of the study.


Ms Patricia Josias
Research Ethics Committee Officer
University of the Western Cape

BMREC REGISTRATION NUMBER -130416-050



CONFIRMATION OF EDITING: Abigail Willemse

19 July 2023

To whom it may concern

This letter serves to indicate that we at the Student Development Centre, reviewed and provided editorial feedback for the Masters Thesis of Ms Abigail Willemse. We have successfully done editing and formatting for over 60 postgraduate student theses, and attended various webinars on formatting and referencing.

We completed a language, format and referencing edit of the abovementioned author's thesis.

The nature of the editorial review was to provide feedback on:

- Sentence construction as it relates to the clarity of expression and style;
- Accuracy of grammar, tense related editing and punctuation;
- APA as it relates to both referencing (both in-text and full-citations) and format;
- Thesis format editing according to the typical thesis formats accepted.

Utilising the review functionality tools ('track-changes' and 'comments') in Microsoft Word, the author was requested to review and attend to changes that were deemed appropriate for the improvement of the text. The overall accuracy and quality of the document remains the author's responsibility.

Please do not hesitate to contact me should you have any further questions.

Warm Regards

Jill Masters

Director of Student Development Centre

admin@studentdevelopmentcentre.com

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WESTERN CAPE