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**THE CREDIBILITY OF THE NEWS ON SOCIAL
NETWORKING SITES AMONG
JORDANIAN JOURNALISTS**



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UUM

Universiti Utara Malaysia

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2017**



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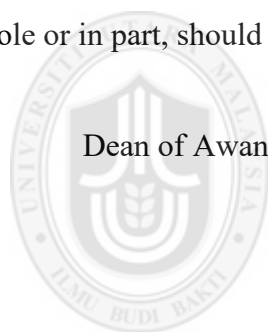
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Abstrak

Laman rangkaian sosial (SNS) telah menjadi sumber utama berita dalam kalangan wartawan dalam proses mendapatkan maklumat dan menerbitkan berita dan artikel. Justeru, kredibiliti sesuatu berita yang diterbitkan di SNS menjadi topik utama untuk dikaji berikutan wartawan menghadapi persaingan dengan masyarakat dalam penyebaran berita. Kesahihan maklumat di SNS adalah dipertikaikan. Fokus kajian ini adalah untuk mengenalpasti konsep kredibiliti dan kredibiliti piawaian utama yang perlu digunapakai dalam penerbitan sesuatu berita. Kajian ini juga mengkaji hubungan antara faktor-faktor tradisional dalam media, penerimaan terhadap penggunaan teknologi, saluran interaktif, kualiti sumber berita, pendedahan kepada SNS, dan kandungan dengan kredibiliti sesuatu berita. Soal selidik telah diedarkan kepada 375 orang responden daripada 1042 orang wartawan yang berdaftar dengan Persatuan Akhbar Jordan (JPA) dengan menggunakan pensampelan rawak mudah. Data kajian dianalisis dengan menggunakan Partial Least Squares-Structural Equation Modeling (PLS-SEM) untuk mengesahkan hubungan antara pembolehubah. Dapatan daripada kajian ini menyokong sebahagian besar hubungan hipotesis yang dikemukakan dalam model kajian. Faktor-faktor yang digunakan dalam media tradisional, seperti etika kewartawanan, peraturan dan undang-undang bagi polisi editorial menunjukkan hubungan yang positif dengan kredibiliti berita yang disiarkan di SNS untuk mengekalkan piawaian. Kebergantungan terhadap teknologi media juga memberi kesan buruk kepada kredibiliti berita. Media interaktif dan kualiti sumber berita didapati mempunyai hubungan yang positif dengan kredibiliti berita, seterusnya dapat meningkatkan kredibiliti berita apabila wartawan menjadikan SNS sebagai sumber berita. Hasil kajian memberi implikasi terhadap pengetahuan mengenai teori dalam memahami hubungan antara penggunaan SNS sebagai sumber berita dan kredibilitinya. Sumbangan praktikal kajian ini akan membantu wartawan dalam mengendalikan berita-berita di SNS, sebagai usaha untuk membentuk amalan kewartawanan yang terbaik dan memberi cadangan ke arah kajian pada masa yang akan datang.

Kata kunci: Laman rangkaian sosial, Kredibiliti berita, Teknologi media, Sumber berita, Wartawan

Abstract

Social Networking Site (SNS) has become an important source of news for journalists in the process of obtaining information and publishing news and articles. Hence, the credibility of the news published on SNS is an important subject for study because journalists are competing with citizens in the dissemination of news. The validity of information on SNS is questionable. The focus of this research is identifying the concept of credibility and the prominent credibility standards that must apply in publishing of news. This study examined the relationship between traditional factors in media, acceptance to use of technology, interactive media, quality of news source, exposure to SNS, and scoop with the credibility of news. The questionnaire was distributed to 375 respondents from 1042 registered journalists in the Jordan Press Association (JPA) using simple random sampling. The data were analyzed using Partial Least Squares-Structural Equation Modeling (PLS-SEM) to verify the relationships between the variables. The findings of the study largely support the hypothesized relationships proposed in the study model. The factors used in traditional media, such as journalism ethics, editorial policy rules and laws, demonstrates a positive association with the credibility of news published on SNS to maintain its standards. Reliance on media technology adversely affect the credibility of news. Interactive media and quality of source were found to have a positive relationship with the credibility of news, thus increasing the level of credibility when journalists use SNS as a source of news. The findings have implications for knowledge of theories in understanding the relationship between using SNS as a news source and its credibility. The practical contribution of this study will assist journalists in dealing with news on SNS, in order to develop the best journalism practices, and makes recommendation for future research directions.

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Keywords: Social networking sites, Credibility of news, Media technology, News sources, Journalists.

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Publications

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List of Abbreviations

SNSs	Social Networking Sites
TF	Traditional Factors In Media
AT	Acceptance Of Technology
IM	Interactivity Media
QS	Quality Of Source
EX	Exposure To SNSs
SC	Scoop
CN	Credibility Of News
JPA	Jordan Press Association
CDFJ	Center For Defending Freedom Of Journalists
CVI	Content Validity Index
CFA	Confirmatory Factor Analysis
EFA	Exploratory Factor Analysis
PLS-SEM	Partial Least Squares-Structural Equation Modeling
CR	Composite Reliability
AVE	Average Variance Extracted
GoF	Goodness Of Fit

CHAPTER ONE

INTRODUCTION

1.1 Introduction

Social Networking Sites (SNSs) allow people to take part in online activities and remove barriers for online users to publish and share information at any place at any time. The fact that nature of the contemporary media hides the truth from the viewer, is an extremely difficult matter because of the flow of information, diversity and cross geographical barriers, where visas are not needed. This is the main reason behind it, but the crisis of confidence in media messages may render the efforts of the sender useless, or may lead to obtaining the opposite of what one wants from the results and objectives.

In the past few year, and more specifically with the beginning of the Arab Spring in 2010, the Arab region witnessed an extensive argument about the role that news plays on SNSs, given the series of rapid events that were experienced by the Arab region (Armbrust, 2012; Hermida, Lewis, & Zamith, 2014; Meeds, 2015). Supporters of the role of SNSs (Hampton, Goulet, Rainie, & Purcell, 2011; Mayfield, 2008; Meeds, 2015; Mourtada & Salem, 2011) argued that they were an open source for news and events in their true nature, providing the audience with multiple components and realities without falsification, while opponents and skeptics (e.g. Castillo, Mendoza, & Poblete, 2013; Mitchell, Kiley, Gottfried, & Guskin, 2013; Moody, 2011; Stroud, Scacco, Muddiman, & Curry, 2015) believe that the nature of their role, in sharp contrast, helps to spread rumors and lies because SNSs often do not explain the source of the news, and do not care about the availability of elements of credibility.

The contents of
the thesis is for
internal user
only

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UUM
Universiti Utara Malaysia

APPENDIX A

Research Questionnaire (English Version)



Questionnaire for Jordanian journalists

Dear Respondent,

Al Salamoalikum.

This questionnaire was designed to investigate the “Perceptions of Jordanian journalists towards the Credibility of the News on Social Networking Sites”, in partial fulfilment of the requirements for the degree of Doctor of Philosophy in Communication at Universiti Utara Malaysia (UUM). The purpose of this survey is to identify the factors that effect on the credibility of the news. Therefore, you have been selected to participate in this research. Your answers are completely confidential and will be used for academic purposes only. Your identity will not be included as part of the data. The success of this survey depends on your cooperation. The instrument contained items that measured the demographic variables, the acceptance of technology in media, interactive media, quality of source, the Exposure to SNSs, and the scoop. We would like you to spend a little time to answer questions related to mentioned title above.

Therefore, I highly appreciate your assistance in answering all questions.

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Part one: Demographic Information

A. Gender:

1. () Male 2. () Female

B. Age:

1. () Less than 35 year 2.() 36 - 45 3.() 46 - 55 4. () More than 56 years

C. Marital status:

1. () Single 2. () Married 3.() Divorced 4. () Widowed

D. Educational Level:

1. () Secondary or less 2. () Diploma 3. () Bachelor 4. () Master
5. () PhD

E. Educational qualification:

1. () Media 2. () Arts 3. () IT 4. () English Language
5. () Economy 6. () Physical Education 7. () Political Science
1. () Arabic Language 9. () Languages 10. () others:

F. Years of Experience:

1. () Less than 5 years 2. () 6-10 3. () 11-15 4. () More than 16 years

Part Two: Status of social networking sites (Choose one answer)

- Which of these sources will you rely on for confirmation of credible news if you receive conflicting news?

- 1) Social networking sites 2) Electronic news 3) Newspapers
4) Radio 5) TV channels

- Which of the following media have high levels of credibility of the news?

- 1) Traditional media 2) News websites of the traditional media
3) News websites of online companies 4) Media pages on social networking sites
5) Personal pages of journalists on the social networking sites 6) Personal pages or the public pages interested to transfer events by social networking sites

- Which of the following social networking sites have credibility?

- 1) Facebook 2) Twitter 3) WhatsApp 4) YouTube
5) Google+ 6) Instagram 7) LinkedIn

- Which of the following social networking sites help journalist in his work?

- 1) Facebook 2) Twitter 3) WhatsApp 4) YouTube
5) Google+ 6) Instagram 7) LinkedIn

1	2	3	4	5
Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree

Part Three: The credibility of news on SNSs

1.	News should include a set of criteria, like trustworthiness	1	2	3	4	5
2.	News should include a set of criteria, like credibility of the source	1	2	3	4	5
3.	News should include a set of criteria, like accuracy	1	2	3	4	5
4.	News should include all the dimensions of the event	1	2	3	4	5
5.	News should include all the opinions relating to the event	1	2	3	4	5
6.	The news must be objective	1	2	3	4	5
7.	The news must be believable	1	2	3	4	5
8.	The news must transfer information clearly	1	2	3	4	5
9.	News should be stripped of personal passions	1	2	3	4	5
10.	News should be stripped of special interests	1	2	3	4	5
11.	News must be committed to social values in tracking the details of the news	1	2	3	4	5

Part Four: Traditional Factors that affect the credibility of news:

12.	A journalist's aim of publishing some information, images and videos is to become a reference for the exclusive news	1	2	3	4	5
13.	Editorial policy affecting the news in terms of: deletion	1	2	3	4	5
14.	Editorial policy affecting the news in terms of: addition	1	2	3	4	5
15.	Application of editorial policy on social networking sites will maintain the credibility of these sites	1	2	3	4	5
16.	The ethics of journalism may prevent journalists from publishing some details of news	1	2	3	4	5
17.	The ethics of journalism is important to maintain the credibility of newspapers and the media	1	2	3	4	5
18.	The ethics of journalism helps to prohibit the publication of rumors	1	2	3	4	5
19.	The lack of strict laws on social networking sites allow the spread of false news	1	2	3	4	5
20.	Pressures on journalists (Authority, Traditions, Gifts) affect the credibility of news	1	2	3	4	5

Part Five: The acceptance of technology in media:

21.	Social networking sites enable me to contact with audience	1	2	3	4	5
22.	Using social networking sites improves my job	1	2	3	4	5
23.	The use of social networking sites could help me to do my job more rapidly	1	2	3	4	5
24.	Social networking sites make me more productive	1	2	3	4	5

25.	Social networking sites makes me more effective	1	2	3	4	5
26.	Social networking sites are easy to use	1	2	3	4	5
27.	Social networking sites provide me a high level of freedom of expressing opinions	1	2	3	4	5
28.	Social networking sites provide me live coverage of events	1	2	3	4	5
29.	Social networking sites enable me to discover new information	1	2	3	4	5
30.	Social networking sites make me more creative because of using multimedia (text, photo, and video) in displaying news	1	2	3	4	5

Part Six: Interactive media

31.	Getting information from the Social networking sites are very fast more than traditional media	1	2	3	4	5
32.	News published on social networking sites is more credible because of using multimedia (text, photo, and video)	1	2	3	4	5
33.	Social networking sites are effective to share news with the public to get feedback	1	2	3	4	5
34.	The peoples' comments via social networking sites help me to get feedback on incorrect news	1	2	3	4	5
35.	Social networking sites are effective in gathering audiences' feedback	1	2	3	4	5
36.	Social networking sites facilitate two-way communication between the audience and journalists	1	2	3	4	5
37.	Interactivity media helps journalists to see public opinion about issue	1	2	3	4	5
38.	The news update on Social networking sites, moment by moment, may cause a problem in not being sure of credibility of news	1	2	3	4	5

Part Seven: Quality of source

39.	News that include more than one source indicate to the greater credibility	1	2	3	4	5
40.	News posted on more than one page on social networking sites indicate to the greater credibility	1	2	3	4	5
41.	The multiplicity of sources of news confirming the credibility of the event	1	2	3	4	5
42.	The source of the news should be having a high level of credibility in order to accept the news among the public	1	2	3	4	5
43.	The source of the news should be having skills in the field of communication and persuasion to influence the public	1	2	3	4	5
44.	Publishing breaking news without mentioning the source reduces the credibility	1	2	3	4	5

Part Eight: The Exposure to the Social Networking Sites (SNSs)

45.	Social networking sites help journalist to get new ideas	1	2	3	4	5
46.	Social networking sites help journalist to clarify the elements of the idea	1	2	3	4	5
47.	Social networking sites help journalist to identify issues facing people	1	2	3	4	5
48.	Social networking sites help journalist to get into new sources	1	2	3	4	5
49.	Social networking sites help journalist to get any information from anywhere and at any time	1	2	3	4	5
50.	Journalists use social networking sites in the publication of news rejected by the organization	1	2	3	4	5
51.	Journalists choose social networking sites to ensure that their hard work does not go wasted	1	2	3	4	5
52.	Journalists use social networking sites to publish more details separately from the news	1	2	3	4	5
53.	Journalists use social networking sites to express their personal opinions away from the news	1	2	3	4	5
54.	Journalists use social networking sites to save time	1	2	3	4	5
55.	Journalist rely on the peoples' comments on social networking sites to ensure the credibility of information	1	2	3	4	5
56.	Journalist rely on the peoples' comments on social networking sites to get new idea	1	2	3	4	5
57.	Journalist rely on the peoples' comments on social networking sites to contact with new sources to explain some details of the news	1	2	3	4	5

Part Nine: The scoop

58.	The scoop is an evidence of the journalist's activity at the event site	1	2	3	4	5
59.	Scoop aims to publish news quickly, even if the news is incomplete	1	2	3	4	5
60.	Scoop containing incorrect information reduces the credibility of the journalist	1	2	3	4	5
61.	The journalist aims through scoop is to deliver a message to the public or journalists about his ability to get the information	1	2	3	4	5
62.	The journalist aims through scoop is to get the most number of Likes	1	2	3	4	5

Part Ten: Future of the credibility of the news on social networking sites

63.	Social networking sites will apply the criteria of credibility	1	2	3	4	5
64.	Social networking sites will be a major source of news for the public	1	2	3	4	5
65.	Social networking sites will become the most important against a decline in other media	1	2	3	4	5
66.	Social networking sites can create a competition with other media in terms of the credibility and transfer events	1	2	3	4	5

Thank you for your help



APPENDIX B

Research Questionnaire (Arabic Version)



جامعة اوتارا - لهاي زي

لهي ة لا علوم ب

مدرس بقائني لوجيا ا ت عدل وسرايط وتصال

استبان ه حول تصوراتنا لخصائص لذي يزنح ومصفاية اخبار لمن شورة على موقعا وتواصل اجتماعي "

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Dr. Nik Adzrieman Abdul Rahma

وة وا خوات ل

ال مع ليكم ورحمة الله

يقول لم يطلب احثبواس ةال عوامل التي يتوثر على مصدقية بارفني موقعا والتواصل تماماعي،
ومف هو مل مصداقية، ودقلا لوجيا عرض مل موقعا والتواصل تماماعي في مجال الصمخلة، أرجو
التكربا جلبة عن حمي عمق رات تبنة لا موقعا، لجم بان التعليل التي تسبب خلص اليها ال دراسة
تبقية على مصدقية ا جلبة عن أسئلة تبنة، ولي تم عمل وماتستدل ونبه استعامل سرري قامة
و غراض ال حثال لجمي مش الكري ن لك محسنت عاونك.

ويقول ولفائق ا ام،،

أمج عمر علي صفوري
طالب بدكتوراة

مدرس بقائني لوجيا ا ت عدل وسرايط وتصال

جامع ؤوت اللام الي نية

amjadsafori@hotmail.com

00962785852421

لنقسم لهبت غرق هذا لجزء بجمعييات حول فدرالعي نة لدراسة، لذا أرجولك كمب ختيار ا يجب قلك تي تنفق مع لك كم.

أ. لاجنس:

1. فكر 2. نكثى

ب. لاعمر:

1. أقل من 35 سنة 2. 36 – 45 3. 46 – 55 4. أكثر من 56 سنة

ت. لحلة اجتلمعيية:

1. أعزب 2. تزوج 3. مطلق/ة 4. أرمل/ة

ث. لمؤهل لاغلمي:

1. الـثـلـثـيـة 2. للـبـلـوم 3. بـلـفـلـوـريـوس 4. ماجستير 5. لـفـتـورـاة

ج. التخصص لاجلمعي:

1. ا 2. ا داب 3. IT 4. للغة 5. تصاد

6. التربيية 7. اللغوم 8. للغة 9. للغات 10. أخرى:

ح. سنوات لخبيرة:

1. أقل من 5 سنوات 2. 6 – 10 3. 11 – 15 4. أكثر من 16 سنة

لنقس مبطاني: مئنة موقلتواصل اجتماعي (ختر اجبة واحدة)

- أي من لمص ادلالية تعت مد لعي هالتأكد من مصقايية اخبار في حلة اخبار لهبت قضاة
(موقلتواصل اجتماعي) (الموقعاية لـفـتـورـيـة) (المـصـحـف)
(اذاعة) (محطالتفتي ونرالمحلية) (محطالتفتي ونرالمحلية)

• أي من وسرئول لنهاية تامللمستوى عال من مصقايية اخبار

- (وسرئول ا تـلـلـيـيـة) (الموقعاية لـفـتـورـيـة) (الموقعاية لـفـتـورـيـة) (وسرئول ا تـلـلـيـيـة)
- (الموقعاية لـفـتـورـيـة) (طرفحاتوسرئول ا لفي موقلتواصل اجتماعي)
- (لـطـنـفـحـاـتـلـشـخـصـيـة) (لـطـنـفـحـاـتـلـشـخـصـيـة) (لـطـنـفـحـاـتـلـشـخـصـيـة) (لـطـنـفـحـاـتـلـشـخـصـيـة)

عبر موقلتواصل اجتماعي

• أي من موقلتواصل اجتماعي لـلـيـيـة تـعـقـد ان لـهـتـمـتـلـكـمـصـقـايـة اكبـر

(Facebook) (Twitter) (WhatsApp) (YouTube)
(+Google) (Instagram) (LinkedIn)

• أي من موقلتواصل اجتماعي لـلـيـيـة تـعـقـد ان لـهـتـمـتـلـكـمـصـقـايـة اكبـر

(Facebook) (Twitter) (WhatsApp) (YouTube)
(+Google) (Instagram) (LinkedIn)

5	4	3	2	1
موفق بشدة	موفق	معي	غير موفق	غير موفق بشدة

لقس لمثالث: مصقاي ة ا خبار

ن هدف من ا ل لثاي ة لى معفة اللتي ي جب ان يعوي ها لبحر تي بين ف خبرا ذام صقاي ة .
ان قا من بخرتكم أرجو لثا ببا ببة عى ا ل لثاي ة:

1.	ا	يجب انتض من مجموعة من ال عوير؛ في القيم ال صرية	1	2	3	4	5
2.	ا	يجب انتض من مجموعة من ال عوير؛ في ال ص لقي ال صدر	1	2	3	4	5
3.	ا	يجب انتض من مجموعة من ال عوير؛ في ال لقة	1	2	3	4	5
4.	ا	ينبغي أن انتض من عي بلع ا دال حدث	1	2	3	4	5
5.	ا	يجب أن انتض من عي ع ا راء ال علق قبل حدث	1	2	3	4	5
6.	ا	يجب أن تكون موضو عي ة	1	2	3	4	5
7.	ا	يجب أن تكون ص لقة	1	2	3	4	5
8.	ا	يجب أن تقل ال ع ل و م انتبش كل و لضح	1	2	3	4	5
9.	ا	يجب أن تكون مجردة من المشاعر ال صرية	1	2	3	4	5
10.	ا	يجب أن تكون مجردة من ال ص ل حال خصرة	1	2	3	4	5
11.	ا	يجب أن تكون لثا ببا ببة عى ا ل لثاي ة	1	2	3	4	5

لقس لمراب ع ال عوام ال لثاي ة ال تي تؤثر عى مصقاي ة ا خبار

ن هدف من ا ل لثاي ة لى معفة ا ب ر ز ال عوام ال لثاي ة ال تي تؤثر عى مصقاي ة لبحر تي و س ل
مثال ال سهرة ال سياسي لثا ببا ببة ول قي ات لمهنة و عدد من ل غ و ط تي تي نت م ا ر س عى ل ص ف ي . ان قا
بخرتكم أرجو لثا ببا ببة عى ا ل لثاي ة:

12.	ا	ي هدف ب عض ال ص ف ي ن ال ل ي ن ش ر ع ل و م ا ت و و و ف ي ي و ه ا ت ال ص و ا م ر ج ع ل ي ن ال ج م و و ل ل ع ل و م ا ت ال ص ر ي ة	1	2	3	4	5
13.	ا	ال سياسي ات حر ي ة ق ت و ث ر ع لى ا من ع ي ت: ح ذ ف ب ع ض ت ف ل ص ر ي ل ال ص ر	1	2	3	4	5
14.	ا	ال سياسي ات حر ي ة ق ت و ث ر ع لى ا من ع ي ت: ل ض ا ف ة ال ب ت ف ل ص ر ي ل ال ص ر	1	2	3	4	5
15.	ا	ال سياسي ات حر ي ة ق ت و ث ر ع لى ا من ع ي ت: ال ب ع من ال ش ر	1	2	3	4	5
16.	ا	تال ص خ ل ي ل ك ن أ ن ت ف ي ع ل ل ح ف ي م ن ن ش و ب ع ض ت ف ل ص ر ي ل ال ص ر	1	2	3	4	5
17.	ا	تال ص خ ل ق س ا ع ف ي ال ب ص ا ط ع لى ح ل ق ي ة و س ط ا ل م	1	2	3	4	5
18.	ا	تال ص خ ل ق س ا ع ف ي ب ع ش ر ا ع ا ت	1	2	3	4	5
19.	ا	ق ل ل ق و و ل ي ن ال ص ا ر م ف ي م و ق ع ال و ل و ل ا ت م ا ع ي ت س م خ ي ش ر ا خ ب ا ر ال ا خ ل ط ة	1	2	3	4	5
20.	ا	ال ص غ و ط ع لى ال ص ف ي ن (من قبل ل س ل ل ط ة، ال ع ا د ا ت و ال ق ا ل ي د، ال ه ن ي ا، ل ص ا ب ال ع م، .. ل ا خ (ق ت و ث ر ع لى ص ل ق ي ة و و س ط ا ل	1	2	3	4	5

لقى س م ل خ ام س ق ب و ل س ت خ د ام ت ل ك ن و ل و ج ي ف ي م ج ا ل

من ا ل ل ت ل ا ي ة ن ه د ف ل ي م ع ف ا ث ا ر س ت خ د ام ت ل ك ن و ل و ج ي ف ي و س ل و ل غ و ب ط و ي ر ل ا ع م ل م ه ن ي و ي ا د ة ل ل ف ا ة ل د ي ل ه ص خ ي ، و ه و س و ا ي ن ع ك س غ ي م ص ق ي ا ة ل م ا د ة ل ص ف ع ي ا ل ت ي ن ش ر ا ن ق ا م ن خ ب ت ك م ا ر ج ل ت ك ر ج ا م ج ب ة غ ي ا ل ل ت ل ا ي ة :

5	4	3	2	1	21. موقع التوصل ا تم اعيت لمقني من اتصال معال جم مور
5	4	3	2	1	22. استخدا موقع التوصل ا تم اعبي حسن في عملي
5	4	3	2	1	23. استخدا موقع التوصل ا تم اعبي س اعني في ا ن ج ا ز ع ل م ي ش ر ك ل ا س ر ع
5	4	3	2	1	24. استخدا موقع التوصل ا تم اعبي ج ع ل ن ي ل ف ت ر ن ل ت ا م ج ة
5	4	3	2	1	25. استخدا موقع التوصل ا تم اعبي ج ع ل ن ي ل ف ت ر ن ل ت ا م ج ة
5	4	3	2	1	26. استخدا موقع التوصل ا تم اعبي ل س م و ل ت ص ف ح ه ا
5	4	3	2	1	27. موقع التوصل ا تم اعيت في خ ي م س ت و ي ع ا ل م ن ح ر ي ة ل ر ا ي و ا ل ت ع ي ر
5	4	3	2	1	28. موقع التوصل ا تم اعيت ف و ر ل ي ت غ ط ي ة م د ا ث
5	4	3	2	1	29. استخدا موقع التوصل ا تم اعبي ي ت و ج ل ي ل ك ش ا ف م ع ل و م ا ت ج ي د ة
5	4	3	2	1	30. موقع التوصل ا تم اعيت ع ل ن ي ل ف ت ر ا ب د ا ع ل س ب ي ز ة ا م ت خ د ا ل م و س و ل ا ل ت ع د د ة ا ل ن ص و ا ل ص و ر ة ، و ل ل ي و ل ي و ل ي ع ر ض ا

لقى س م ل س ا د س : ا ل ف ا ع ل ي

ل ه د ف م ن ه ذ ه ا ل ت ك ع ر ف غ ي ا م ي ة ل ل ف ا ع و ف ي ب ط و ي ر م ه ن ق ل ا ص خ ل ة و ن ي ا د ة د ر ج ة م ص ق ي ا ة ا خ ب ا ر ل م ن ش و ر ا ب ق ت ن ا د ا ل ي ا م ي ق ل ل ف ا ل ج ي ا ل ت ي ت ف و ر ه ا م و ق ل ف و ا و ا ل ا ج ت م ا ع ي ل ص ف ع ي ي ن . ا ن ق ا م ن خ ب ر ت ك م ا ر ج ل ت ك ر ج ا م ج ب ة غ ي ا ل ل ت ل ا ي ة :

5	4	3	2	1	31. ي ع ب ر ل ا ح ص و ل ل و ي ا ل ع ل و م ا ت ح و ل ا د ا ث ل ا ج ا ر ي ق ب ا س ت خ د ا م م و ق ع ا ل ت و و ل ا ت م ا ع ي ل ك ر س ر ع م ن و س و ل ا ت و ل ل ي ي ة
5	4	3	2	1	32. ت ع ب ر ا خ ب ا ر ا ل ن ف ش و ر ة ل و ي م و ق ع ا ل ت و و ل ا ت م ا ع ي ا ت ح ل و ق ي س ب س ب ا س ت خ د ا م ل و س و ل ا ل ت ع د د ة ا ل ن ص و ا ل ص و ر ة ، و ل ل ي و ل ي و ل ي
5	4	3	2	1	33. موقع التوصل ا تم اعيت س م ح ب ت ب ا د ل ا خ ب ا ر م ع ا ل ج م و ر ل ح ص و ل ل و ي ع ل ق ي ا ت ح و ل ا ل خ ب ر
5	4	3	2	1	34. ع ل ق ي ا ت ا ا ص ع ر م و ق ع ا ل ت و و ل ا ت م ا ع ي ق ت س ا ع ف ي ا ل ح ص و ل ع ل ي ر د و ا ل ع ل ل و ي ا ا ل ص م ج ح ة
5	4	3	2	1	35. موقع التوصل ا تم اعيت س ا ع ف ي م ج ف ة ر د و ا ل ع ل م ن ا ل ج م ل ي ر
5	4	3	2	1	36. موقع التوصل ا تم اعيت س ه ل ع م ل ي ة ا ت م ا ل ف ي ا ت ج ا ي ن ي ن ا ل ج م و ر و ا ل ص خ ي ي ن
5	4	3	2	1	37. موقع التوصل ا تم اعيت س ا ع د ا ل ص خ ي ي ن ف ي م ج ف ة ا ل ر ا ي ا ل ع ا م ح و ل ا ح د ي ا ل ق ر ي ا
5	4	3	2	1	38. ت ح ي ث ا ل و ي م و ق ع ا ل ت و و ل ا ت م ا ع ي ش ر ك ل م س ت م ر ق ي س ب م ش ك ل ة ن ي ع ل م ت ك د م ن ح ل و ق ي ة ا ب ا ل ت ي ت ش ر

لقى سطل سلب ع: جودة / نوعية لمص ادر

من هذه الة هدف لى معرف لى عن صر له امل لى يى جب ات تفرفى ص در لم غ لومة او لى ب ح تى
ي ع ت بر ل لى ر ذام ص لى ق لى ك بر. ان قا من ب ح ت ك م ا ر ج ل ي ك ر ج ا م ج بة لى ا ل لى لى اى ة:

5	4	3	2	1	التي يتنض من أكثر من ص در يتعبر ذات ص لى ة لى ر
5	4	3	2	1	التي يتنض من أكثر من ص لى ة لى ر ذات ص لى ة لى ر
5	4	3	2	1	التي يتنض من أكثر من ص لى ة لى ر ذات ص لى ة لى ر
5	4	3	2	1	التي يتنض من أكثر من ص لى ة لى ر ذات ص لى ة لى ر
5	4	3	2	1	التي يتنض من أكثر من ص لى ة لى ر ذات ص لى ة لى ر
5	4	3	2	1	التي يتنض من أكثر من ص لى ة لى ر ذات ص لى ة لى ر
5	4	3	2	1	التي يتنض من أكثر من ص لى ة لى ر ذات ص لى ة لى ر

لقى سطل سلب ا من: دوق لى ع ر ض ل موق ع لى و ص ل ا ج ت م ا ع ي

ن هدف ف ي ه ل ل ل س م لى م ع ف ا س ر ب ل س ت خ د ا م ل ص ل ن ب ن ل موق ع لى و ص ل ا ج ت م ا ع ي ف ي ع ل م م و ك ي ف ت س ا ع د
هذه ل موق ع ي ت ط و ر ل ا ع م ل ل ص ح ف ي و ي ا دة د ر جة م ص ق ا ي ا ل م ع ل و م ا ت ل ت ي ن ش ر ب و س ط ت ه ا. ان قا من
خ ب ر ت ك م ا ر ج ل ي ك ر ج ا م ج بة لى ا ل لى لى اى ة:

5	4	3	2	1	موق ع لى و ص ل ا ج ت م ا ع ي ق ت س ا ع ط لى ح ف ي ف ي ا ل ح ص و ل لى و ف ل ك ا ر ج ي دة
5	4	3	2	1	موق ع لى و ص ل ا ج ت م ا ع ي ق ت س ا ع ط لى ح ف ي ف ي ت و ض و ح ع ن ل ص ر ا لى ل ف رة
5	4	3	2	1	موق ع لى و ص ل ا ج ت م ا ع ي ق ت س ا ع ط لى ح ف ي ف ي ح د ل ي ق ض ا ي ل ل ت ي ت و ا ج ه ال م و ا ط ي ن
5	4	3	2	1	موق ع لى و ص ل ا ج ت م ا ع ي ق ت س ا ع ط لى ح ف ي ف ي ا ل ح ص و ل لى و ف ل ك ا ر ج ي دة
5	4	3	2	1	موق ع لى و ص ل ا ج ت م ا ع ي ق ت س ا ع ط لى ح ف ي ف ي ا ل ح ص و ل لى و ف ل ك ا ر ج ي دة
5	4	3	2	1	ال ص ف ي و ن ق ي س ت خ د م و ن موق ع لى و ص ل ا ج ت م ا ع ي ف ي ن ش ر ا ل ت ي ت ف ف ض ه ا و س س ر ك م
5	4	3	2	1	ال ص ف ي و ن ق ي س ت خ د م و ن موق ع لى و ص ل ا ج ت م ا ع ي لى ض م ا ن ا ن ع م ل م ل ش ا ق ل ج ي ذ ه ب ب ع ث ا
5	4	3	2	1	ال ص ف ي و ن ق ي س ت خ د م و ن موق ع لى و ص ل ا ج ت م ا ع ي لى ش ر م ل و م ا ت ا لى ر ب ش ر ك ل ف ي ه ر ل ع ن ل لى ر
5	4	3	2	1	ال ص ف ي و ن ق ي س ت خ د م و ن موق ع لى و ص ل ا ج ت م ا ع ي لى لى لى ع ي ر ع ن ا ر لى م ل ش لى ر ق ب ع ي د ا ع ن ل لى ر
5	4	3	2	1	ال ص ف ي و ن ق ي س ت خ د م و ن موق ع لى و ص ل ا ج ت م ا ع ي لى لى و لى ر لى و ق ت
5	4	3	2	1	ط لى ح ف ي ق د ي ع م د لى و ف ع ل ي ق ا ت ا ل م و ا ط ي ن لى و ف ل لى ر ف ي موق ع لى و ص ل ا ج ت م ا ع ي ا ت و لى و لى ت ك د ص لى ة لى و م ا ت
5	4	3	2	1	ط لى ح ف ي ق د ي ع م د لى و ف ع ل ي ق ا ت ا ل م و ا ط ي ن لى و ف ل لى ر ف ي موق ع لى و ص ل ا ج ت م ا ع ي ا ل ح ص و ل لى و ف ل ك ا ر ج ي دة
5	4	3	2	1	ط لى ح ف ي ق د ي ع م د لى و ف ع ل ي ق ا ت ا ل م و ا ط ي ن لى و ف ل لى ر ف ي موق ع لى و ص ل ا ج ت م ا ع ي ل لى و ص ل م ع ص ا ر ج ي ة ل ش ر م ع ض ت ف لى ر ل لى ر

لقى سبلتسج السبق لصحفي

في هذا لقس من هدف لى مع فكتي رالسبق لصحفي على مصقاي ة لخببر ومصقاي ة لاص صبي ذات هوكي في
ي وثارع تم االسبق لصحفي على من قلاص حلة ان قا من خيتكم أرجل بلك رجا بجة على ا ل لثاي ة:

5	4	3	2	1	السبق طلس حفي دلويل لى ن ش اطللس حفي في مق ع ا دات
5	4	3	2	1	السبق طلس حفي في هدف لى ن شر ا بسرع ة حتى لول متكن لمل ه العل ومات
5	4	3	2	1	السبق طلس حفي ال تخض من عل ومات لى رص مي حيل لل من ص لقي ة لاص صبي
5	4	3	2	1	بعض الص صبي ن قبي هدفون لل سبق طلس حفي الى لى رسالة عن ق دته لى ال حصول لى ال عل ومات
5	4	3	2	1	بعض الص صبي ن قبي هدفون من لل سبق الص صبي لى حصول لى لى لى عدد من ا عجات عبر موقع لك وصل ا تم اعى

لقى سبلتسج رمس قبل مصقاي ة اخبار على موقع لتواصل اج تم اعى

في هذا لجز رمس تط ع اى كم حول مس قبل مصقاي ة اخبار في موقع لتواصل اج تم اعى ق ل ن قبوس لى
ا خرى ، وهل من لى ن ان تتم ع اخبار ر عر هذه لموقع بل مصقاي ة س ت . ان قا من خيتكم
أرجل بلك رجا بجة على ا ل لثاي ة:

5	4	3	2	1	موقع لتواصل ا تم اعى سب طبق لى رال ص لقي في ا النشرة
5	4	3	2	1	موقع لتواصل ا تم اعى سب لى ن ص درائى بى نال جم هور
5	4	3	2	1	موقع لتواصل ا تم اعى سب صبح لى ن ا هى ة مقبل لتراج عوس لى ن ا رى
5	4	3	2	1	موقع لتواصل ا تم اعى سب لى ن ا فس ة معوس لى ن ا ا خرى من لى ن سر عة ق ل ا دان ل جم هور

ش لى ن س ن ت ع ا ق كم

APPENDIX C

Questionnaire Validation Tool



QUESTIONNAIRE VALIDATION TOOL

“PERCEPTIONS OF JORDANIAN JOURNALISTS TOWARDS THE CREDIBILITY OF THE NEWS ON SOCIAL NETWORKING SITES”

Direction: This tool asks for your evaluation of the questionnaire to be used in the data gathering for the investigation stated above, to establish its validity. You are requested to give your honest assessment using the criteria stated below; please check (✓) only one from the selection.

Representativeness	Clarity
1 = item is not representative	1 = item is not clear
2 = item needs major revisions to be representative	2 = item needs major revisions to be clear
3 = item needs minor revisions to be representative	3 = item needs minor revisions to be clear
4 = item is representative	4 = item is clear

Part one: Demographic Information

G. Gender:

2. () Male 2. () Female

H. Age:

2. () Less than 35 year 2.() 36 - 45 3.() 46 - 55 4. () More than 56 years

I. Marital status:

2. () Single 2. () Married 3.() Divorced 4. () Widowed

J. Educational Level:

2. () Secondary or less 2. () Diploma 3. () Bachelor 4. () Master
6. () PhD

K. Educational qualification:

2. () Media 2. () Arts 3. () IT 4. () English Language
6. () Economy 6. () Physical Education 7. () Political Science
2. () Arabic Language 9. () Languages 10. () others:

L. Years of Experience:

2. () Less than 5 years 2. () 6-10 3. () 11-15 4. () More than 16 years

Part Two: Status of social networking sites (Choose one answer)

- Which of these sources will you rely on for confirmation of credible news if you receive conflicting news?

- 6) Social networking sites 7) Electronic news 8) Newspapers
9) Radio 10) TV channels

- Which of the following media have high levels of credibility of the news?

- 7) Traditional media 8) News websites of the traditional media
9) News websites of online companies 10) Media pages on social networking sites
11) Personal pages of journalists on the social networking sites 12) Personal pages or the public pages interested to transfer events by social networking sites

- Which of the following social networking sites have credibility?

- 8) Facebook 9) Twitter 10) WhatsApp 11) YouTube
12) Google+ 13) Instagram 14) LinkedIn

- Which of the following social networking sites help journalist in his work?

- 8) Facebook 9) Twitter 10) WhatsApp 11) YouTube
12) Google+ 13) Instagram 14) LinkedIn

Part Three: The credibility of news

Indicators		Representativeness	Clarity	Comments
		Please rate from 1 - 4	Please rate from 1 - 4	
1.	News should include a set of criteria, like trustworthiness			
2.	News should include a set of criteria, like credibility of the source			
3.	News should include a set of criteria, like accuracy			
4.	News should include all the dimensions of the event			
5.	News should include all the opinions relating to the event			
6.	News should reflect the priorities of attention when the public			
7.	The news must be objectivity			
8.	The news must be believable			
9.	The news must transfer information clearly			
10.	News should be stripped of personal passions			
11.	News should be stripped of special interests			
12.	News must be committed to social values in tracking the details of the news			

Part Four: Traditional Factors that affect the credibility of news:

Indicators		Representativeness	Clarity	Comments
		Please rate from 1 - 4	Please rate from 1 - 4	
13.	Journalists trying to get instant and easy fame among public regardless of credibility of news			
14.	A journalist's aim of publishing some information, images and videos, is to become a reference for the exclusive news.			
15.	Editorial policy affecting the news in terms of: deletion			
16.	Editorial policy affecting the news in terms of: addition			

17.	Editorial policy affecting the news in terms of: prevent publication			
18.	Practical experience will help the journalist to deal with the events credibly			
19.	The ethics of journalism may prevent journalists from publishing some details of news			
20.	The ethics of journalism is important to maintain the credibility of newspapers and the media			
21.	The ethics of journalism helps to prohibit the publication of rumors			
22.	The lack of strict laws on social networking sites allow the spread of false news			
23.	Pressures on journalists (Authority, Traditions, Gifts) affect the credibility of news			

Part Five: The acceptance of technology in media:

Indicators		Representativeness	Clarity	Comments
		Please rate from 1 - 4	Please rate from 1 - 4	
24.	Social networking sites enable me to contact with audience			
25.	Using social networking sites improves my job			
26.	The use of social networking sites could help me to do my job more rapidly			
27.	Social networking sites make me more productive			
28.	Social networking sites makes me more effective			
29.	Social networking sites are easy to use			
30.	Social networking sites provide me a high level of freedom of expressing opinions			
31.	Social networking sites provide me live coverage of events			
32.	Social networking sites enable me to discover new information			
33.	Social networking sites make me more creative because of using			

	multimedia (text, photo, and video) in displaying news			
34.	Social networking sites offer me a chance to escape from the pressures of life			

Part Six: Interactive media

Indicators		Representativeness	Clarity	Comments
		Please rate from 1 - 4	Please rate from 1 - 4	
35.	Getting information from the Social networking sites are very fast more than traditional media			
36.	News published on social networking sites is more credible because of using multimedia (text, photo, and video)			
37.	Social networking sites are effective to share news with the public to get feedback			
38.	The peoples' comments via social networking sites help me to get feedback on incorrect news			
39.	Social networking sites are effective in gathering audiences' feedback			
40.	Social networking sites facilitates two-way communication between the audience and journalists			
41.	The Social networking sites give audience the opportunity to comment on the news			
42.	Interactivity media helps journalists to see public opinion about issue			
43.	The news update on Social networking sites, moment by moment, may cause a problem in not sure of credibility of news			

Part Seven: Quality of source

Indicators		Representativeness	Clarity	Comments
		Please rate from 1 - 4	Please rate from 1 - 4	
44.	News that include more than one source indicate to the greater credibility			
45.	News posted on more than one page on social networking sites indicate to the greater credibility			
46.	The multiplicity of sources of news confirming the credibility of the event			
47.	The source of the news should be having a high level of credibility in order to accept the news among the public			
48.	The source of the news should be having experience related to the topic of the news			
49.	The source of the news should be having a skill in the field of communication and persuasion to influence the public			
50.	The source of the news should be having a social status to influence the public			
51.	Publishing breaking news without mentioning the source reduces the credibility			

Part Eight: The exposure of the Social Networking Sites (SNSs)

Indicators		Representativeness	Clarity	Comments
		Please rate from 1 - 4	Please rate from 1 - 4	
52.	Social networking sites help journalist to get new ideas			
53.	Social networking sites help journalist to clarify the elements of the idea			
54.	Social networking sites help journalist to identify issues facing people			
55.	Social networking sites help journalist to get into new sources			

56.	Social networking sites help journalist to get any information from anywhere and at any time			
57.	Journalists use social networking sites in the publication of news rejected by the organization			
58.	Journalists choose social networking sites to ensure that their hard work does not go wasted			
59.	Journalists use social networking sites to publish more details separately from the news			
60.	Journalists use social networking sites to express their personal opinions away from the news			
61.	Journalists use social networking sites to save time			
62.	Journalist rely on the peoples' comments on social networking sites to ensure the credibility of information			
63.	Journalist rely on the peoples' comments on social networking sites to get new idea			
64.	Journalist rely on the peoples' comments on social networking sites to contact with new sources to explain some details of the news			

Part Nine: The scoop

Indicators		Representativeness	Clarity	Comments
		Please rate from 1 - 4	Please rate from 1 - 4	
65.	The scoop is an evidence of credibility of published news			
66.	The scoop is an evidence of the journalist's activity at the event site			
67.	Scoop aims to publish news quickly, even if the news is incomplete.			
68.	Scoop containing incorrect information reduces the credibility of the journalist			
69.	The journalist aims through scoop is to deliver a message to the public or journalists about his ability to get the information.			

70.	The journalist aims through scoop is to get the most number of Likes.			
-----	---	--	--	--

Part Ten: Future of the credibility of the news on social networking sites

		Representativeness	Clarity	
Indicators		Please rate from 1 - 4	Please rate from 1 - 4	Comments
71.	Social networking sites will apply the criteria of credibility			
72.	Social networking sites will be a major source of news for the public			
73.	Social networking sites will become the most important against a decline in other media			
74.	Social networking sites can create a competition with other media in terms of the credibility and transfer events			

Name of the Validator:

Occupation:

Signature:

Date:



Thank you for your help

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APPENDIX D

Legal Translation of The Questionnaire

AL-HUSSES TRANSLATION HOUSE
Certified Translation ترجمة قانونية
Traduction Certifiée-Traducción Certificada
заверенный перевод -Beglaubigte Übersetzung
UNIVERSITY STR. IRBID-JORDAN
0795804829

APPENDIX A

Research Questionnaire (English Version)



Questionnaire for Jordanian journalists

Dear Respondent,

Al Salamoaalikum.

This questionnaire was designed to investigate the "Perceptions of Jordanian journalists towards the Credibility of the News on Social Networking Sites", in partial fulfilment of the requirements for the degree of Doctor of Philosophy in Communication at Universiti Utara Malaysia (UUM). The purpose of this survey is to identify the factors that effect on the credibility of the news. Therefore, you have been selected to participate in this research. Your answers are completely confidential and will be used for academic purposes only. Your identity will not be included as part of the data. The success of this survey depends on your cooperation. The instrument contained items that measured the demographic variables, the technology acceptance in media, interactive media, quality of source, the exposure of the media, and the scoop. We would like you to spend a little time to answer questions related to mentioned title above.

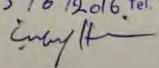
Therefore, I highly appreciate your assistance in answering all questions.

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I, HUSSEIN A. Y. AL-HUSSES, a member of the Jordanian Translators Association, do hereby certify that the foregoing is, to the best of my knowledge and ability, a true and correct translation of the document attached. In Irbid, Jordan, on 3 / 6 / 2016. Tel. 0795804829



APPENDIX E

Content Validity Index (CVI)

Appendix E. 1: TF items as rated by experts for content validity

Items	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Expert 10	Expert 11	CVI	
TF1	4	3	4	3	2	4	3	1	3	3	4	9/11	0.8
TF2	4	4	4	3	4	4	4	3	3	2	4	10/11	0.9
TF3	4	4	4	3	4	2	3	3	4	2	4	9/11	0.8
TF4	4	2	3	4	4	4	4	4	3	3	4	10/11	0.9
TF5	4	4	3	3	3	4	3	3	4	2	3	10/11	0.9
TF6	3	4	3	3	4	4	4	3	2	2	4	9/11	0.8
TF7	4	4	4	3	4	3	3	2	4	2	4	9/11	0.8
TF8	3	4	4	3	4	4	3	4	4	4	3	11/11	1.0
TF9	4	3	3	4	4	3	3	2	3	4	4	10/11	0.9
TF10	3	4	3	3	4	4	4	3	4	1	3	10/11	0.9
TF11	3	3	4	4	3	4	3	3	2	2	4	9/11	0.8

Appendix E. 2: AT items as rated by experts for content validity

Items	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Expert 10	Expert 11	CVI	
AT1	4	3	4	3	4	3	4	3	4	3	3	11/11	1.0
AT2	4	3	3	4	4	4	3	3	2	3	4	10/11	0.9
AT3	3	4	4	3	4	3	4	3	3	4	4	11/11	1.0
AT4	4	4	4	4	3	4	3	3	2	3	3	10/11	0.9
AT5	4	2	3	3	4	4	3	4	2	3	4	9/11	0.8
AT6	4	4	3	3	3	4	4	3	3	4	3	1/11	1.0
AT7	3	4	4	3	4	4	4	3	3	3	4	11/11	1.0
AT8	4	4	3	2	4	3	3	4	4	3	4	10/11	0.9
AT9	3	4	4	3	4	4	4	4	3	3	4	11/11	1.0
AT10	4	3	3	4	4	4	3	3	4	4	4	11/11	1.0
AT11	4	1	3	2	3	4	3	3	4	4	3	9/11	0.8

Appendix E. 3: IM items as rated by experts for content validity

Items	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Expert 10	Expert 11	CVI	
IM1	4	4	4	4	4	4	3	2	3	4	4	10/11	0.9
IM2	4	4	3	4	4	3	3	1	2	3	4	9/11	0.8
IM3	4	4	3	3	3	4	3	2	2	4	3	9/11	0.8
IM4	4	1	3	3	4	3	4	3	4	3	4	10/11	0.9
IM5	4	2	4	4	4	4	3	3	2	4	4	9/11	0.8
IM6	4	3	3	3	4	4	3	1	3	3	4	10/11	0.9
IM7	4	1	3	3	4	3	3	1	2	4	4	8/11	0.7
IM8	4	4	3	3	3	4	4	3	4	3	3	10/10	1.0
IM9	4	1	3	3	4	4	3	2	3	4	4	9/11	0.8

Appendix E. 4: QS items as rated by experts for content validity

Items	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Expert 10	Expert 11	CVI	
QS1	3	4	4	3	4	3	4	3	3	4	4	11/11	1.0
QS2	4	4	3	4	3	4	3	3	2	3	3	10/11	0.9
QS3	4	2	3	3	4	4	3	4	2	3	4	9/11	0.8
QS4	4	4	3	3	4	4	3	1	2	3	4	9/11	0.8
QS5	4	4	2	3	3	4	3	1	2	3	3	8/11	0.7
QS6	4	4	3	3	4	4	3	3	4	3	4	11/11	1.0
QS7	4	4	4	3	4	4	3	1	3	3	4	10/11	0.9
QS8	4	4	3	3	4	4	3	1	2	3	4	9/11	0.8

Appendix E. 5: EX items as rated by experts for content validity

Items	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Expert 10	Expert 11	CVI	
EX1	4	4	4	3	4	4	4	4	3	2	4	10/11	0.9
EX2	4	4	4	3	4	4	4	4	3	3	4	11/11	1.0
EX3	4	4	4	4	4	3	3	4	2	2	4	9/11	0.8
EX4	3	1	3	4	4	4	4	3	2	3	4	9/11	0.8
EX5	4	4	3	3	3	4	4	3	4	3	4	11/11	1.0
EX6	4	1	3	4	4	4	4	3	3	2	4	9/11	0.8
EX7	3	1	4	3	4	4	4	4	2	3	4	9/11	0.8
EX8	4	3	4	4	4	4	4	3	4	3	4	11/11	1.0
EX9	4	3	4	4	3	4	4	4	2	3	4	10/11	0.9
EX10	3	2	4	3	4	3	3	3	2	3	4	9/11	0.8
EX11	4	4	3	4	3	4	4	4	4	3	4	11/11	1.0
EX12	4	4	3	4	4	4	3	4	3	3	4	11/11	1.0
EX13	4	4	3	3	4	4	3	3	4	2	4	10/11	0.9

Appendix E. 6: SC items as rated by experts for content validity

Items	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Expert 10	Expert 11	CVI	
SC1	4	4	3	3	4	4	3	1	3	2	4	9/11	0.8
SC2	3	4	4	3	4	4	4	3	2	3	4	10/11	0.9
SC3	4	4	4	3	3	4	4	4	4	3	4	11/11	1.0
SC4	4	4	3	3	3	4	4	3	4	3	3	11/11	1.0
SC5	4	3	4	3	4	4	3	2	3	4	4	10/11	0.9
SC6	4	4	3	3	4	4	3	3	2	3	4	10/11	0.9

Appendix E. 7: CN items as rated by experts for content validity

Items	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Expert 10	Expert 11	CVI	
CN1	4	3	4	3	3	4	3	1	4	3	4	10/11	0.9
CN2	4	4	4	3	4	3	4	3	4	3	4	11/11	1.0
CN3	4	4	3	3	3	4	3	1	3	3	3	10/11	0.9
CN4	4	4	3	4	4	4	3	2	3	4	4	10/11	0.9
CN5	4	4	4	3	4	4	4	3	4	3	4	11/11	1.0
CN6	4	3	3	4	4	4	3	2	2	4	4	9/11	0.8
CN7	4	4	4	3	2	4	4	3	3	4	2	9/11	0.8
CN8	4	3	3	4	4	3	3	3	2	4	3	10/11	0.9
CN9	3	4	3	3	4	4	4	2	3	3	4	10/11	0.9
CN10	4	4	3	4	4	3	4	3	4	4	3	11/11	1.0
CN11	4	4	4	3	4	4	4	3	3	4	4	11/11	1.0
CN12	4	4	3	3	4	4	3	2	3	3	4	10/11	0.9

APPENDIX F

Histogram of Variables

