

ABSTRACT

Traffic congestion is a challenge for developed and non-developed countries. Khartoum city is one of the world's cities facing traffic congestion problems. The citizens of this city suffer from the queues of cars that fill the roads and delay their arrival to their destinations, because the traffic system suffers from many problems such as the large number of cars that brought to this city, and the roads are unfavorable. In addition to that the old planning of the study area that increase the problem. The objective of this research is to study traffic congestion in Khartoum city, Geographic information system (GIS) is used to handle spatial and descriptive data collected to help solving the traffic congestion problem in study area.

المستخلص

يعد الازدحام المروري أحد التحديات التي تواجه كل من الدول المتقدمة وغير المتقدمة. تعتبر مدينة الخرطوم إحدى مدن العالم التي تواجه مشاكل الازدحام المروري. مواطنوا هذه المدينة يعانون من طوابير السيارات التي تملأ الطرق ، وتؤخر وصولهم إلى وجهاتهم ، لأن نظام المرور فيها يعاني العديد من المشاكل مثل الاعداد الكبيره من السيارات التي جلبت إلى هذه المدينة ، والطرق غير المناسبه . أضف إلى ذلك التخطيط القديم لمنطقة الدراسة التي تزيد من تفاقم المشكلة. الهدف من هذا البحث هو دراسة المشكلات والحلول للازدحام المروري في مدينة الخرطوم ، تم إستخدام نظم المعلومات الجغرافية (GIS) لمعالجة البيانات المكانية والوصفية التي تم جمعها وبناء قاعدة بيانات جغرافية للمساعدة في حل مشاكل الازدحام المروري في منطقة الدراسة.

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Abu baker

Table of Contents

Index	Subject	Page
	الإيـه	
	Dedication	
	Abstract	I
	المستخلص	II
	Acknowledgement	III
	Table of Contents	IV
	list of figures	VIII
	list of Tables	X
Chapter One: Introduction to Research		
1.1	Background	1
1.2	Related studies	1
1.3	Boundary of the study area	2
1.4	Problem Statement	3
1.5	Objectives of the Research	3
1.6	Research Contents	3
Chapter Two: Literature Review		
2.1	Traffic Congestion	5
2.1.1	Causes of Traffic Congestion	5
2.1.2	Effects of traffic Congestion	6
2.2	Urban planning and design	7
2.2.1	Short-term	7
2.2.2	Road capacity (supply)	8
2.3	Traffic engineering	9
2.4	Tram and metro systems	15
2.5	Geographical Information System GIS	16
2.5.1	Geographical Information System Applications	16
2.5.2	Spatial analysis	17
2.6	Map References and Projections	17
2.6.1	World Geodetic system WGS 84	17
2.6.2	The Universal Transverse Mercator (UTM)	17

Index	Subject	Page
Chapter Three: Study Area and Methodology		
3.1	Studying study Area and Existing Traffic system	18
3.1.1	The site plan	18
3.1.2	Traffic plan	19
3.1.3	Traffic Infrastructure	20
3.1.4	The most congested sites	20
3.1.5	Traffic Culture	22
3.2	Methodology	22
3.2.1	Data collection stage	22
3.2.2	Data Design stage	23
3.2.2.1	Layers System	23
3.2.2.2	Attribute Tables	24
3.2.3	Data processing stage	25
3.2.3.1	Mosaic verification	25
3.2.3.2	Mosaic Update	25
3.2.3.3	Feature class Creation	25
3.2.3.4	Tracing Feature	26
3.2.3.5	Attributes table creation.	26
Chapter Four: Data Analysis		
4.1.	Analysis process	27
4.1.1	Impact of Site Plan on traffic	28
4.1.1.1	Roads closed by buildings	28
4.1.1.2	Narrow roads	30
4.1.2	Roads congested by the random parking	31
4.1.2.1	Congestion due to large parking	32
4.1.2.2	Congestion due Random parking density	34
4.1.3	Congested roads due to neighboring sites	38
4.1.3.1	Roads congestion due to markets and shops	38
4.1.3.2	Roads congestion due to bus stations	40
4.1.4	Roads congestion due to traffic plans	41
4.1.4.1	Congestion of two-way roads	41
4.1.4.2	Roads congestion due to traffic signs	42
4.1.5	Congestion at the entrances and intersection	44

Page	Subject	Index
4.1.6	Roads congested due to bus lines	46
4.1.7	Congestion due to Railway and Nile	47
4.1.8	Congestion due to road location	48
4.2	Analysis Results	48
4.2.1	Most congested roads	48
4.2.2	The most influential institutions in traffic	49
Chapter Five: Results		
5.1	Urgent Solutions	52
5.1.1	Expansion and Extension of some roads	52
5.1.2	Construction and modification of bridges and tunnels	55
5.1.3	Construction of new, bus stations and parking	57
5.1.4	Modification of buildings	61
5.1.5	Use river buses	62
5.1.6	Reduce the impact of the rainy season	62
5.1.7	Taking fees in certain roads	63
5.1.8	Synchronization and priority, for traffic signal	64
5.2	Addressing the Most Congested Roads	65
5.2.1	AL-Tabia Street and its extension	65
5.2.2	Algamaa Street	67
5.2.3	Al-Sayed Abd Alrahman Street	69
5.2.4	Al-Quaser Street	72
5.1.5	Al-Baladia Street	74
5.3	Future Solutions	76
5.3.1	Roads and Highway	76
5.3.2	River Transport	79
5.3.3	Tram and Metro Systems	80
Chapter Six: Conclusion and Recommendations		
6.1	Conclusion	83
6.2	Recommendations	84
	References	85
	Appendices	84

List of Figures

Index	List of Figures	Page
Figure(1.1)	shows the boundary of study area	2
Figure(3,1)	shows the entrance and exits of study area	18
Figure(3,2)	shows the most congested side in the study area	21
Figure(4,1)	shows the main causes of traffic congestion	27
Figure(4,2)	shows the roads closed by buildings	28
Figure(4,3)	shows the narrow roads	30
Figure(4,4)	shows the large random parking locations	32
Figure(4,5)	shows the random parking locations	34
Figure(4,6)	shows the random parking in Algamaa street	35
Figure(4,7)	shows the buffers in Algamaa street.	37
Figure(4,8)	shows the magnification of buffers in Al-gamaa street	37
Figure(4,9)	shows the roads passing through the markets and centers	39
Figure(4,10)	shows the roads pass adjacent to the bus stations	40
Figure(4,11)	shows the two way roads	41
Figure(4,12)	shows the traffic lights sign	43
Figure(4,13)	shows the light signals in Algamaa Street	44
Figure(4,14)	shows the roads passing through the most congested location	45
Figure(4,15)	shows the most commonly roads used by bus lines	46
Figure(4,16)	shows the Important roads closed by railway and Nile	47
Figure(4.17)	shows the most influential institutions in traffic congestion	49
Figure(5.1)	shows the building affected by expansion of AL-Tabia	52
Figure(5.2)	shows the extending the street south Jackson bus station	53
Figure(5.3.a)	shows the adding new exit study area	54
Figure(5.3.b)	shows the adding new exit study area	54

Index	List of Figures	Page
Figure(5.4)	shows the intersection of AL-Baladia and Al- Tabia	55
Figure(5.5)	shows the intersection of Al-mak Nimer with AL-Gama'a	56
Figure(5.6)	shows the suggested bridge on the White Nile, west Al-Reimaila	57
Figure(5.7)	shows the suggested parking in khartoum hospital	58
Figure(5.8.a)	shows the suggested parking beside Mohira Bit Abboud	59
Figure(5.8.b)	shows the suggested parking beside Mohira Bit Abboud	59
Figure(5.9)	shows the suggested parking in Al-Waha Mall	60
Figure(5.10)	shows the suggested parking for north of Bahri buses	61
Figure(5.11)	shows Ali Abdul Latif and Al-Huraiya streets	63
Figure(5.12)	shows the northern part of AL- Qaser street	64
Figure(5.13)	shows AL-Tabia street and its extension	65
Figure(5.14)	shows AL- Gama'a Street	67
Figure(5.15)	shows AL- SAYED ABD AL- RAHMAN Street	70
Figure(5.16)	shows 21 October Street	71
Figure(5.17)	shows AL- QASER Street	72
Figure(5.18)	shows Al-baladia Street	74
Figure(5.19)	shows the suggested highway Roads	77
Figure(5.20)	shows the extension of roads through railway station	78
Figure(5.21)	shows the extension of roads through khartoum airport	78
Figure(5,22)	shows the river transport stations	79
Figure(5,23)	shows the river bus image	79
Figure(5,24)	shows the tram image	80
Figure(5,25)	shows the suggested tram network	81

List of Tables

Index	List of Tables	Page
Table (3.1)	Shows the coordinates of the control points in the study area	23
Table (3.2)	Shows the layer system	24
Table (4,1)	Report shows roads closed by buildings	29
Table (4,2)	Report shows the narrow roads	31
Table (4,3)	Report shows roads adjutant to the large random parking	33
Table (4,4.1)	Report shows roads random parking in Algamaa street.	35
Table (4,4.2)	Report shows roads random parking in Algamaa street.	36
Table (4,5)	Report shows the Roads passing through the Markets and commercial centers	39
Table (4,6)	Report shows the roads pass adjacent to the bus stations	40
Table (4,7)	Report shows the most congested two way road.	42
Table (4,8)	Report shows the roads passing through the most congested locations	45
Table (4,9)	Report shows the most common used roads by bus lines	46
Table(4,10)	Shows the Important roads closed by Railway and Nile	47
Table(4,11)	Shows The most congested roads in study area	48
Table(4.12.1)	Report the most influential institutions in traffic congestion	50
Table(4.12.2)	Report the most influential institutions in traffic congestion	51
Table(5.1)	Shows Al-Tabia street characteristics	66
Table(5.2)	Shows Al-Gama'a street characteristics	68
Table(5.3)	Shows Al-Sayed Abd Alrahman street characteristics	70
Table(5.4)	Shows Al-Qaser street characteristics	73
Table(5.5)	Shows Al-Baladiya street characteristics	74