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▪

2004

أنماط استخدام الأرض واتجاهات النمو العمراني
والتركيب الداخلي في بعض قرى محافظة نابلس
'دراسة في جغرافية الريف'

إعداد

رياض فرحان حسن علاونه

تمت هذه الأطروحة بتاريخ 2004/8/18م واجيزت

التوقيع

اعضاء اللجنة

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93		4:3:3

96	.	4:3
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101		2:4:3
131		6:3
137	:	:4
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139		2:4
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148	()	2:2:4
150		3:2:4
157		3:4
157		1:3:4
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195		5:1
199		5:2
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208		5:4
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Statistical Package for Social

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(Oblique Rotation)

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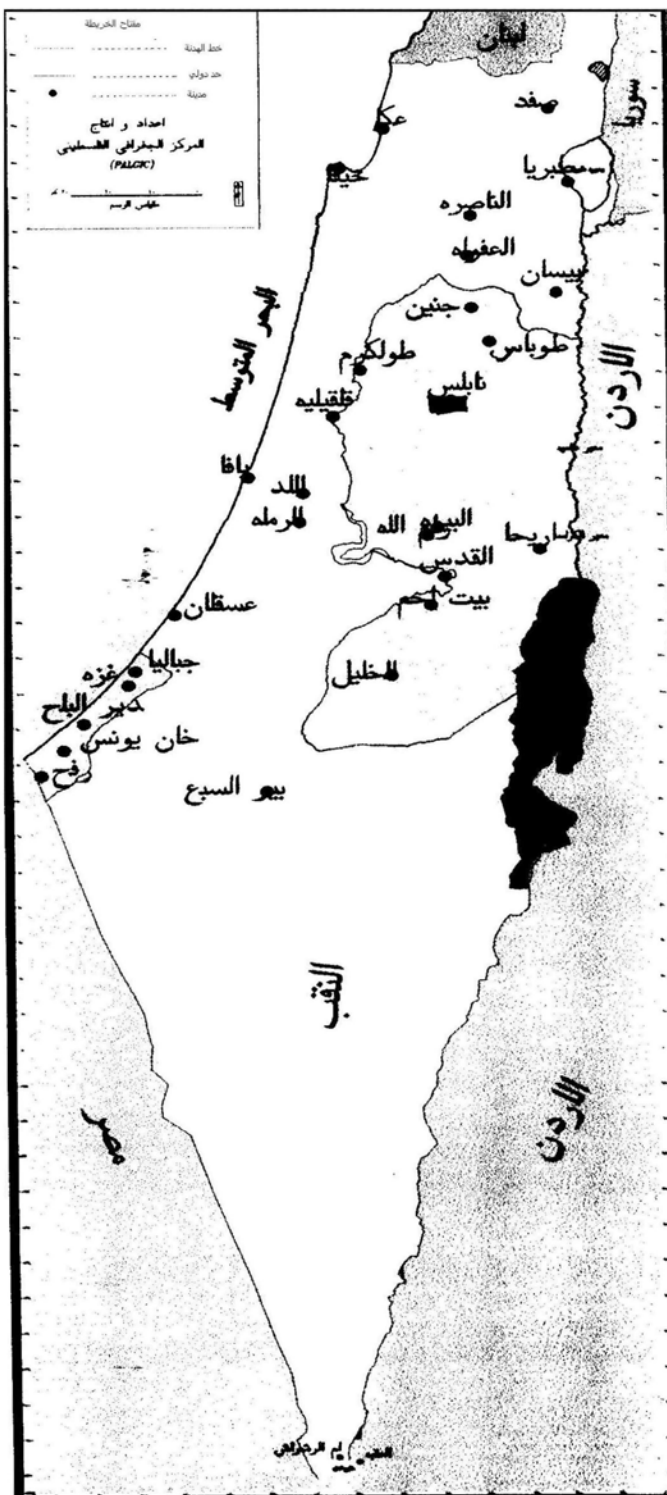
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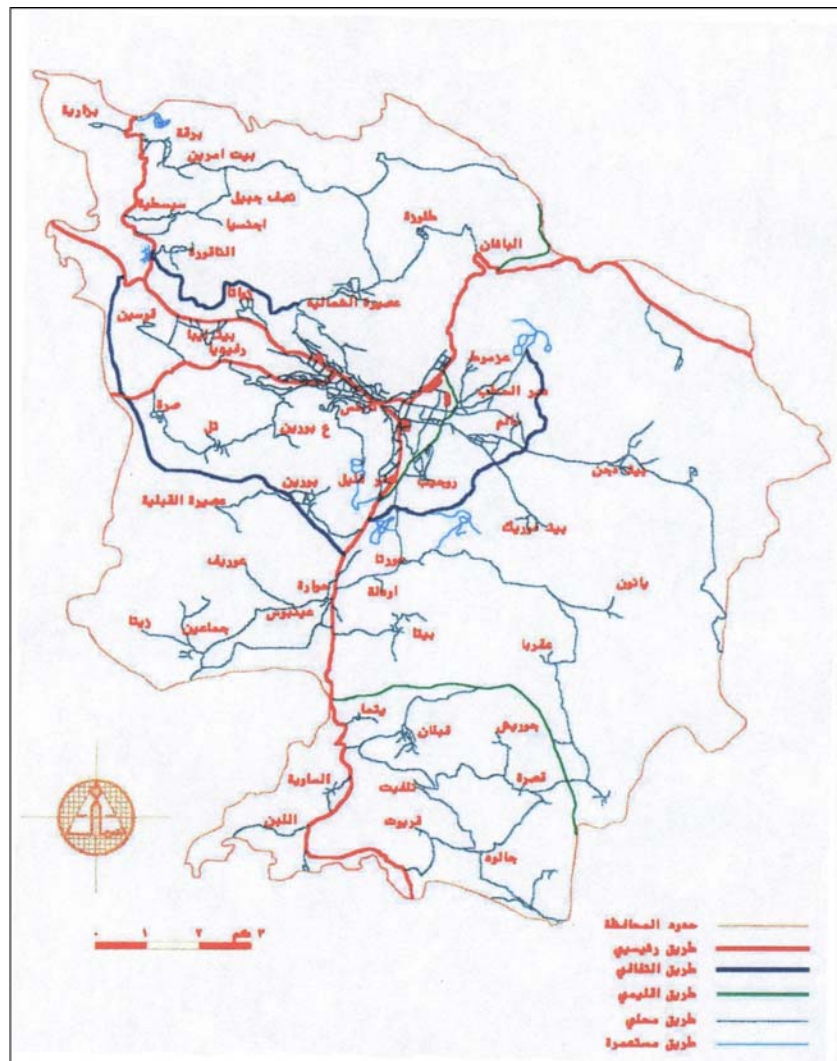
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(The Classical Ecological Theory)

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:Social Aria Analysis

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(Ashref Shevky)

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(Shevky & Bell)

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. 1986	

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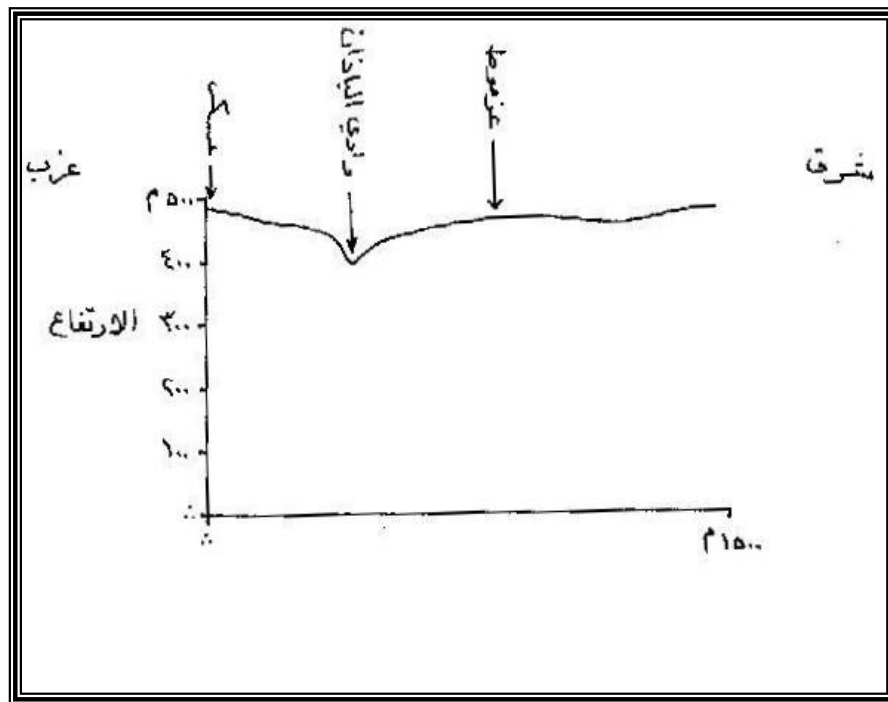
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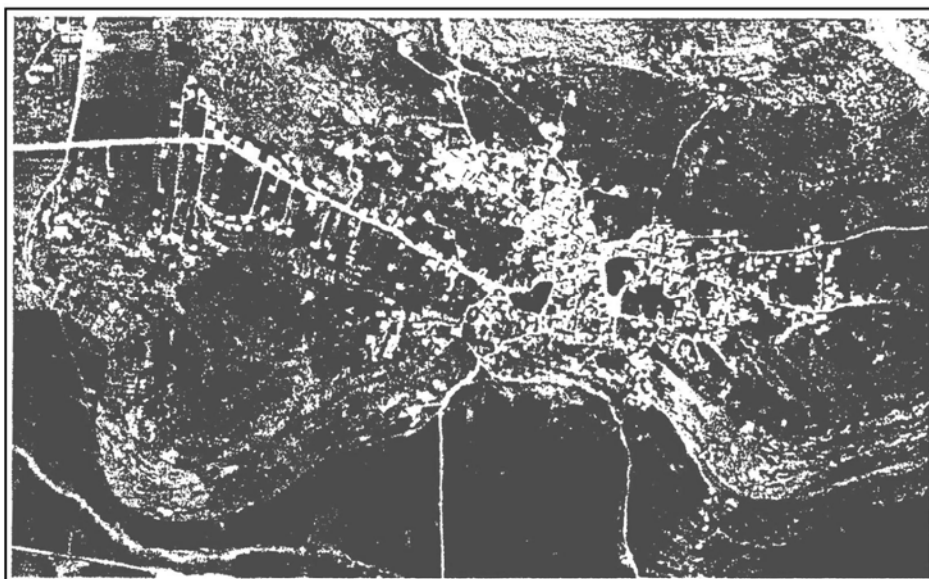
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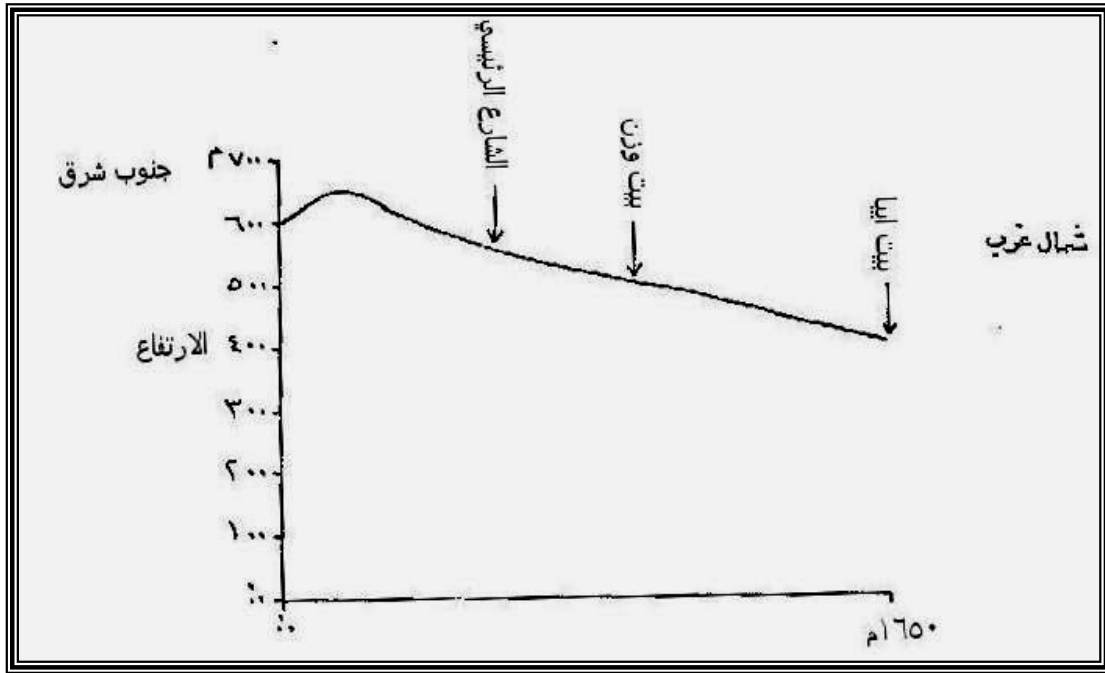
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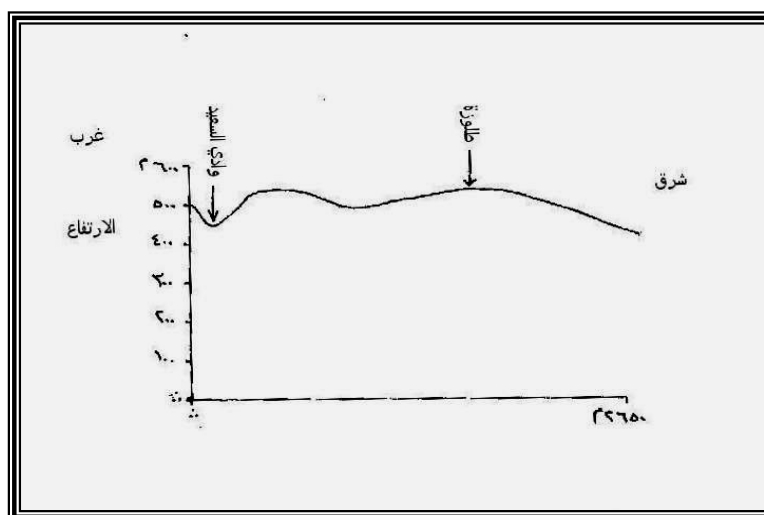
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	<i>I</i>	
1994	379	
1994	218	
1993	575	
1991	330	
1993	451	
1994	497	*
1994	314	
1994	184	
1989	210	
1995	211	
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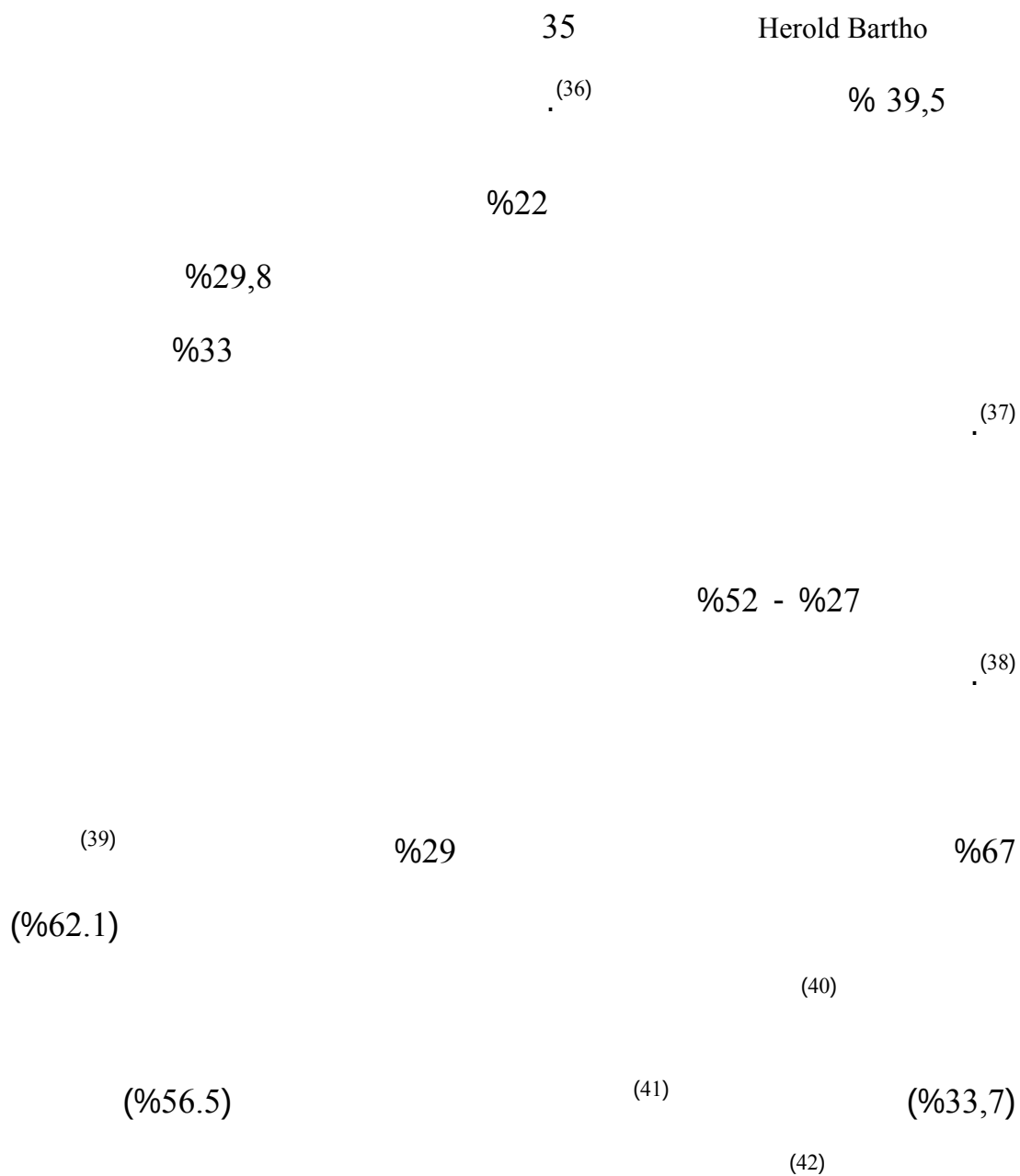
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(%100) (3369)

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H.Edward F R Hearle 1980 Nidercorn John

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%	%	/	
11.2	%100	379	
6.5	%100	218	
17.1	%100	575	
9.8	%100	330	
13.4	%100	451	
14.8	%100	497	
5.5	%100	184	
9.3	%100	314	
6.2	%100	210	
6.2	%100	211	
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	(2)	%	%	()	
%36	1000	46.4	46.4	1562	()
%42	750	37.2	37.2	1254	()
%48	500	16.4	16.4	553	()
.....		%100	%100	3369	

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(%46.4) ⁽⁴⁴⁾ (3369)
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⁽⁴⁵⁾ (%62.1) ()
⁽⁴⁶⁾ (%56.5)
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%30

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()	()		! ()	
%85.49	%85.49	379	324	
%52.75	%52.75	218	115	
%65.22	%65.22	575	375	
		330		
%29.05	%29.05	451	131	
%55.74	%55.74	497	277	
%87.5	%87.5	184	161	
%40.74	%40.74	314	121	
%17	%17	210	36	
%10.4	%10.4	211	22	
%46.4	%46.4	3369	1562	

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28.9	28.9	218	63	
25.6	25.6	575	147	
83.6	83.6	330	276	
42.4	42.4	451	191	
32.4	32.4	497	161	
		184		
47.8	47.8	314	150	
36.7	36.7	210	77	
89.6	89.6	211	189	
37.2	37.2	3369	1254	

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(553)

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(%16.4)

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14.5	14.5	379	55	
18.3	18.3	218	40	
9.2	9.2	575	53	
16.4	16.4	330	54	
28.6	28.6	451	129	
11.9	11.9	497	59	
12.5	12.5	184	23	
13.7	13.7	314	43	
46.2	46.2	210	97	
		211		
16.4	16.4	3369	553	

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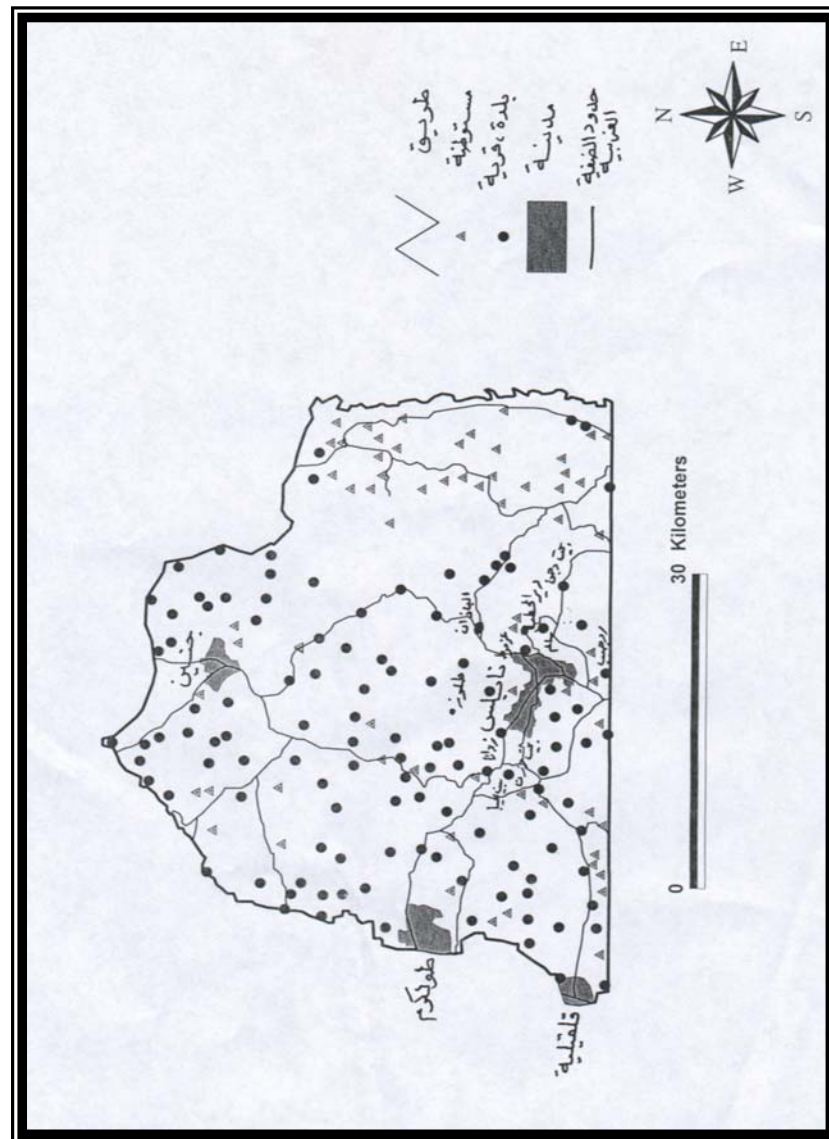
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Yeats , and B.Garner. The North American City, third edition, Harper	- 36
and Row, Sanfransisco, 1983, p.32	
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(Built Up Area)

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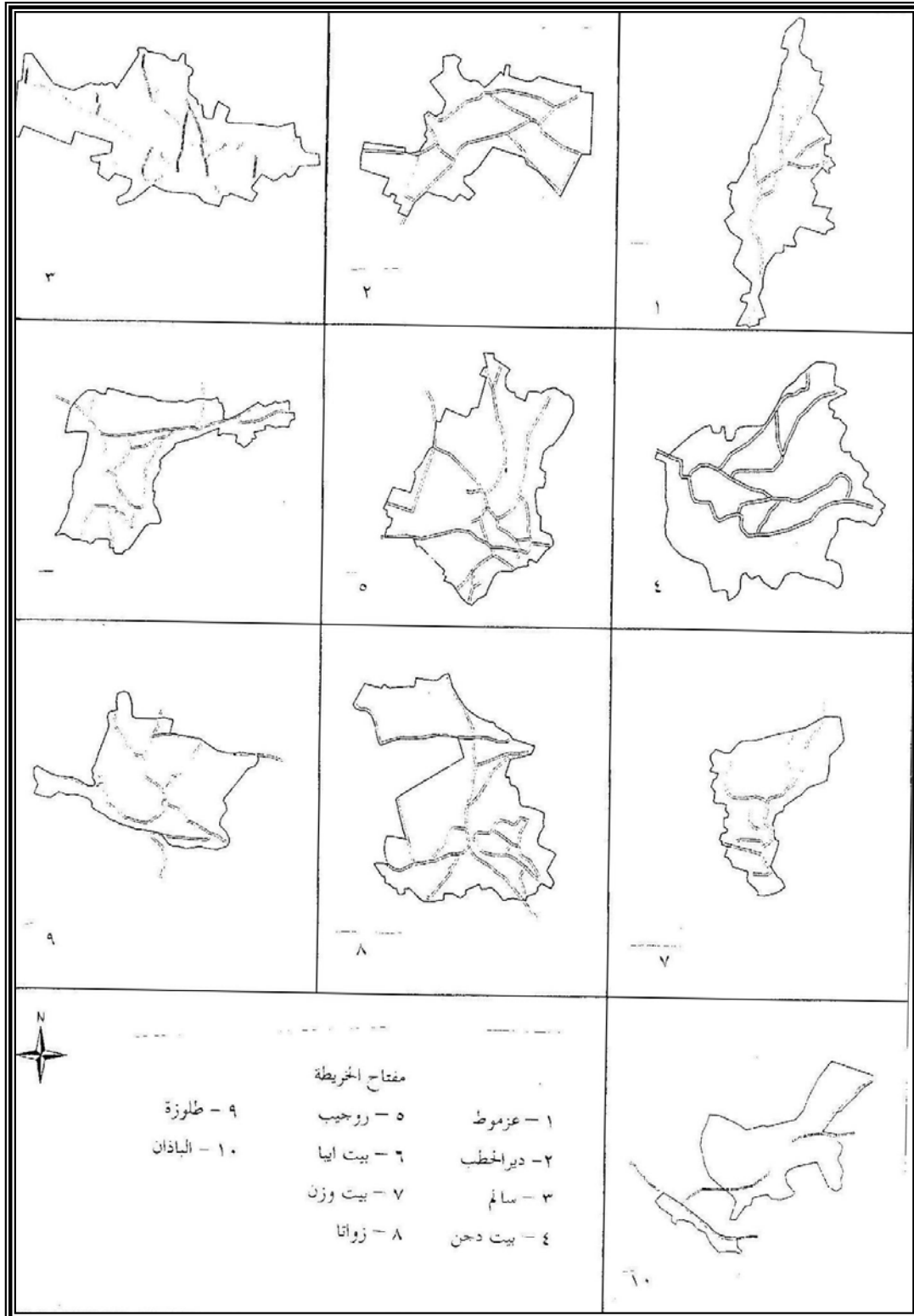
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(10)

		*	) (
27	28	279	
22	24	240	
50	53	531	
35	37	373	
46	49	491	
42	44	440	
14	15	145	
25	27	269	
33	35	347	
27	28	278	
321	340	3393	

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64 – 15	46
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250	50
350 – 251	51
450 – 351	52
450	53
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(4)

1930

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1965

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(Factor Analyses)

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(Factors)

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(Factorial Ecologies)

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(Statistical Package for Social Science (SPSS

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(12)

(Data Matrix)

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(Correlation Matrix)

(SPSS)

(Input)

(13)

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(×) (12)

10	9	8	7	6	5	4	3	2	1	
52	67	00	8	00	34	00	99	25	88	1
00	00	00	00	17	46	85	00	24	91	2
99	47	25	79	96	00	81	78	00	96	3
8	53	57	98	7	00	5	97	85	95	4
45	21	00	99	23	6	00	28	65	88	5
12	99	00	00	75	00	87	54	19	75	6
00	00	35	7	68	19	00	18	00	43	7
00	00	82	2	00	18	55	14	00	51	8
00	48	47	10	4	00	89	12	78	46	9
79	00	52	5	00	11	00	00	96	47	10

.(76) (11)

. 2002 :

(The Principal Component Analyses) – 3

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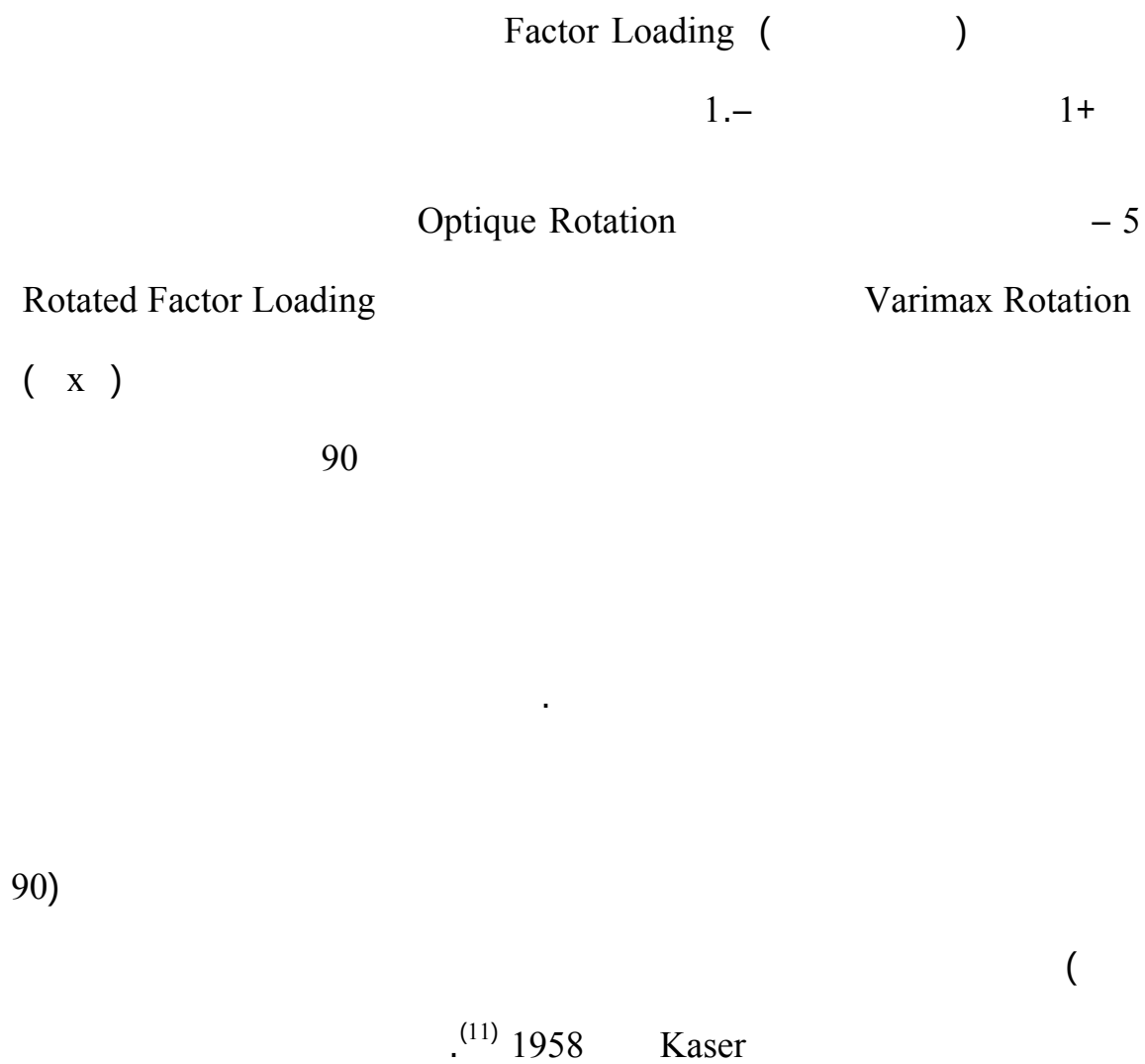
(Common Factor Analyses)

(9)

.(¹⁰) 1933 (H.Hottelling)

() – 4

Initial Factor Loading Matrix



(13)

8	7	6	5	4	3	2	1	
							1.0	1
						1.0	0.46-	2
					1.0	0.85	0.51-	3
				1.0	0.09	0.41	0.19	4
			1.0	0.06-	0.12	0.41-	0.61	5
		1.0	0.31	0.57-	0.19-	0.29-	0.22	6
	1.0	0.09	0.47-	0.84-	0.15-	0.42	0.28-	7
1.0	0.63	0.31	0.34-	0.24	0.47-	0.45	0.44-	8

. 2002 :

Optique Rotation

(12)

(x) Factor Scores Matrix For The Rotated Factors

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(14)

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(14)

5	4	3	2	1	<i>I</i>
0.45	0.94	0.82-	1.11	1.02	
0.51	0.41	0.71	0.32	0.74	
0.56	1.84	0.17-	0.31	1.12	
1.02	0.31-	1.20-	1.03	1.33-	
1.13-	0.26-	0.23-	0.12-	0.38-	
1.02	1.81	1.02	0.23-	1.29	
1.41	0.90	0.59	1.51-	0.79	
1.28	0.55-	0.81	1.02-	0.89	
0.29-	1.23-	1.42-	0.35	1.41-	
0.35-	1.01-	0.51	0.41	0.62	

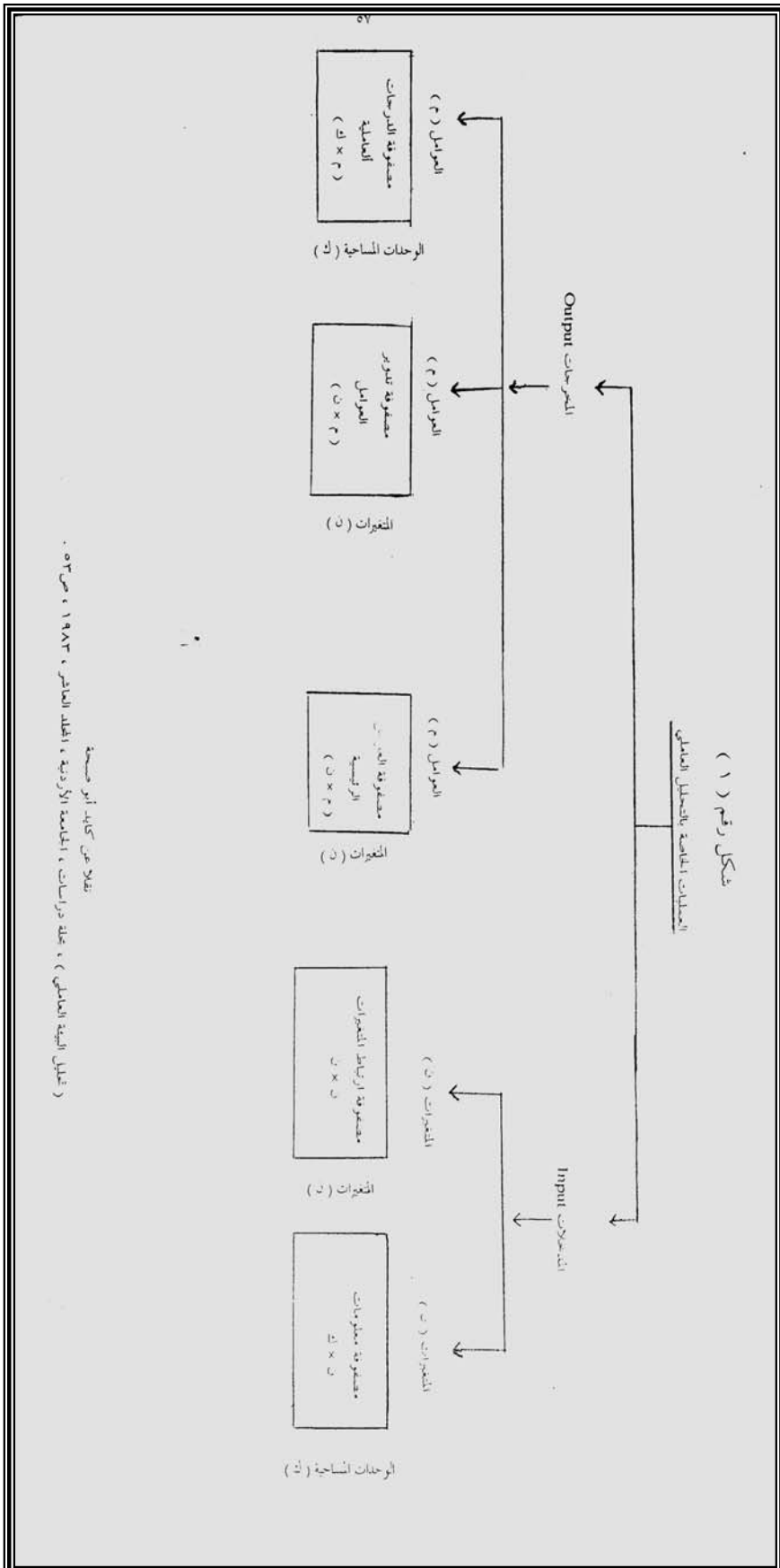
. 2002

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Factors Scores Maps

(4)

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(Factor Analysis)

(Oblique Rotation)

(Principal Component Analysis)

(Data Matrix)

(10 ×48)

%54.1 (Factor Dimensions)

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1

(3.0)

Factor)

(Loading Matrix

(15)

. %54.1

%14.6

%10.9

%8.69 (Eigen Value)

%10.2

%5.06

%9.5

%5.1

%8.9

4.92

.4.07

(15)

	R2	Eigen Value	()	
%14.6	%14.6	8.69		1
%25.5	%10.9	5.06		2
%35.7	%10.2	5.01		3
%45.2	%9.5	4.92		4
%54.1	%8.9	4.07		5

. 2002

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(15)

%25.5

%28.6

.%54.1

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%75

1969

(13)

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%49

(14)

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(15)

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%48.3

(16)

(Factor Correlation Matrix)

(16)

0.38

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(Factor Correlation Matrix)

(16)

5	4	3	2	1	()	
0.22	0.35	0.04-	0.38	1.0		1
0.19	0.14	0.34	1.0	0.38		2
0.18	0.25	1.0	0.34	0.04-		3
0.36	1.0	0.25	0.14	0.35		4
1.0	0.36	0.18	0.19	0.22		5

. 2002 :

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Factor Score)

: (Matrix

.(1-) -

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(Factor Loading)

(Data Matrix)

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(6.7)

(17)

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(17)

7.8	
7.5	
7.4	
7.2	
6.4	
6.1	
6	
5.5	
5.9	
6.9	
6.7	

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2000 1997

(17) (6.4)

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(%46.2)

(%49.2)

64 – 15

(%4.6)

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1997

64 – 15

(%45)

(%51.1)

.⁽¹⁸⁾

(%3.8)

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(%51)

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(%41,3)

(%5,5)

(%53,2)

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64

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(18)

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0.40

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%14.6

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%7,2

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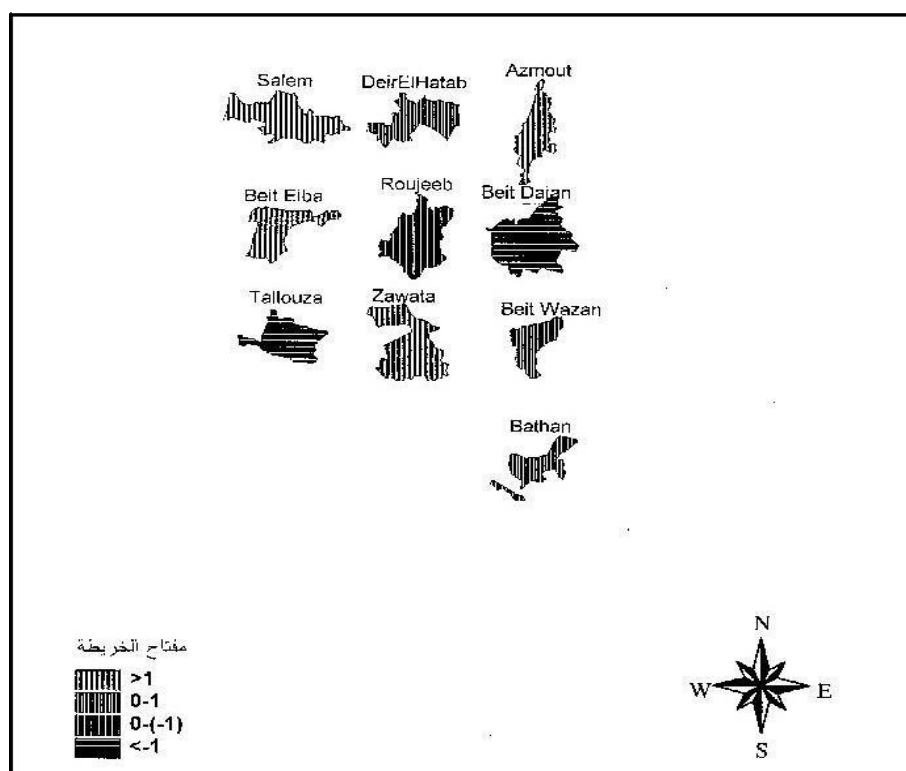
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(18)

0.78		1
0.48		2
0.47	15	3
0.47		4
0.42	64	5
0.78-		6
0.78-		7
0.53-		8

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(%10.9)

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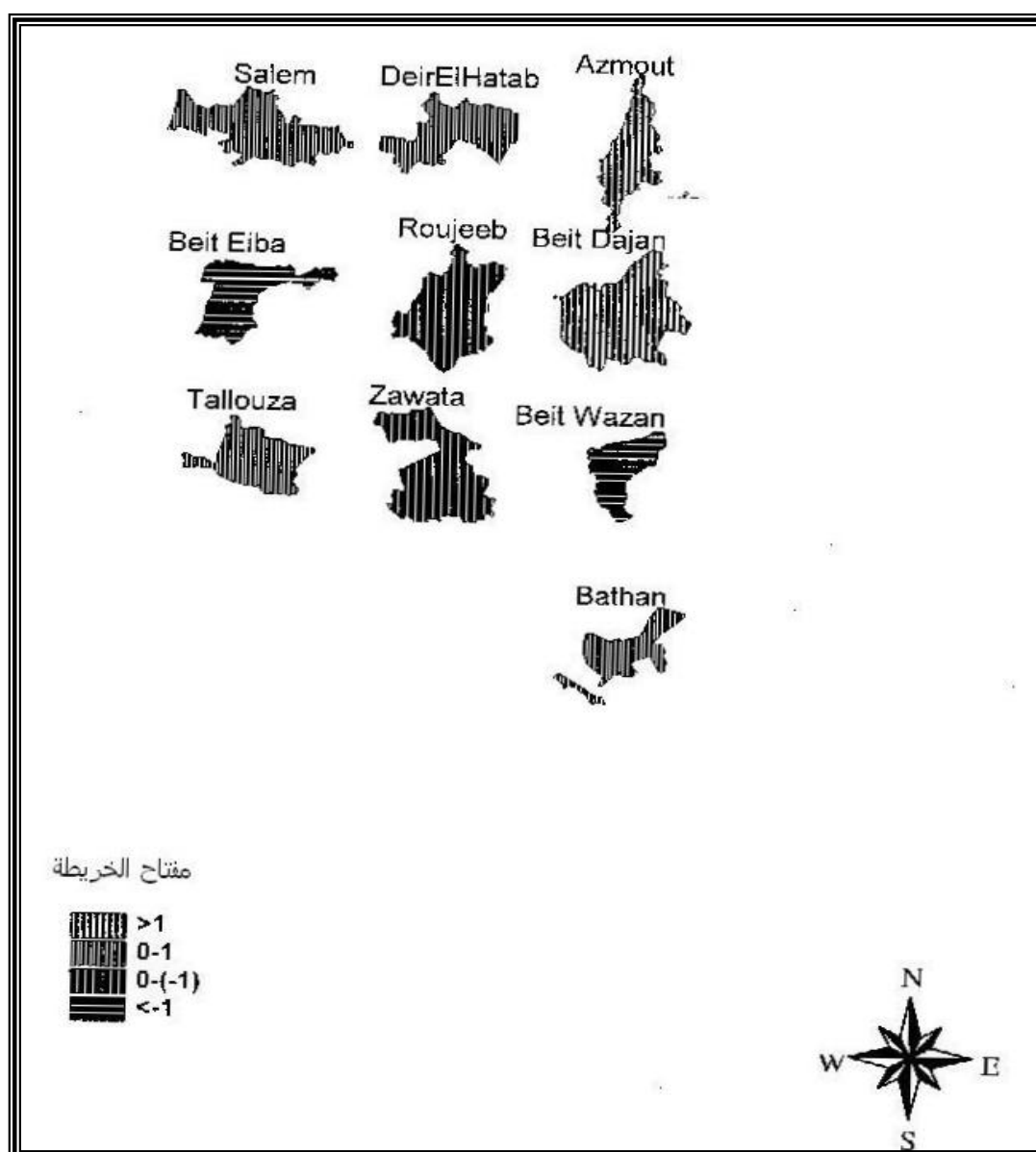
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(19)

0.64		1
0.65		2
0.41 -		3
0.45 -		4
0.51 -		5
0.62 -		6

. 2002 :

(7)



. 2002

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5.01 %10.2
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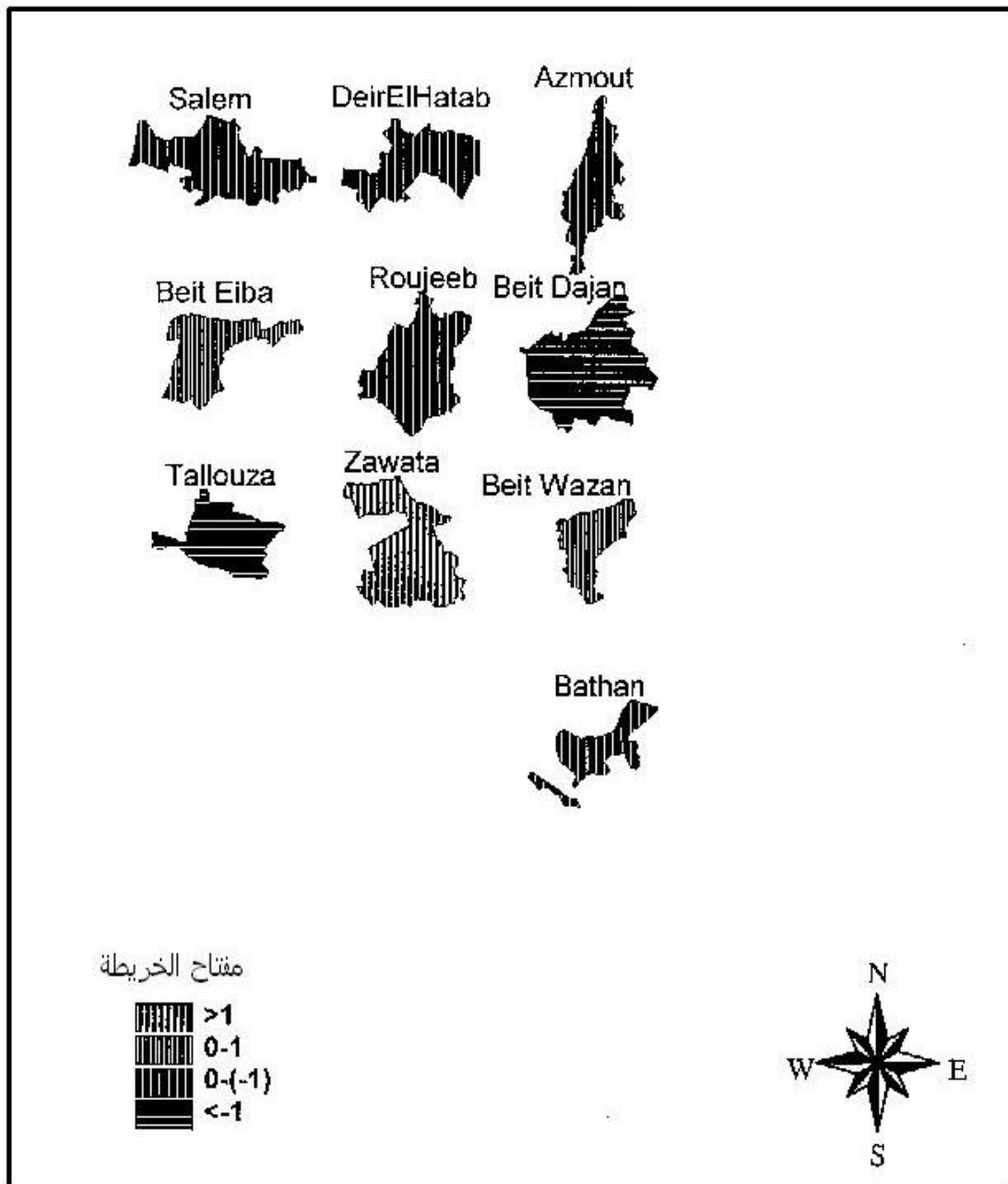
(20)

0.59	()	1
0.51	1990	2
0.49		3
0.42	()	4
0.41 -		5
0.43 -		6
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0.47 -		8

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0.64 – 0.40

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%9.5

%4.92 (Eigen Value)

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(28)

%4.09

%21,1 (1969)

%18,8 (1986) (29)

(31) %16,8 (30)

%19,5 (1988)

(32)

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%35

%36

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(9) (Factor Score Map)

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(22)

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0.78		1
0.69		2
0.65	300	3
0.63		4
0.61		5
0.58		6
0.49		7
0.46	14 – 5	8
0.44	1990	9
0.43		10
0.41		11
0.41		12
0.75 -	3	13
0.51 -		14
0.42 -		15

. 2002

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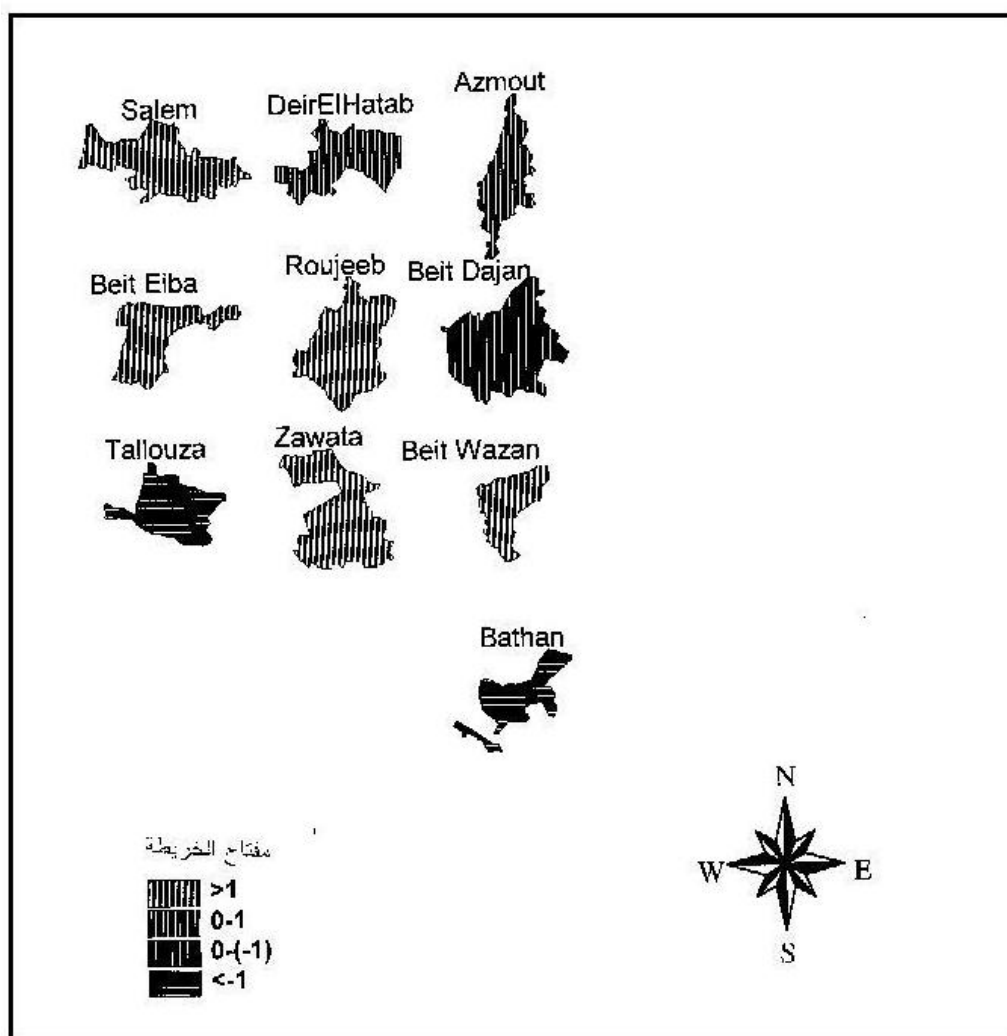
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<i>I</i>		
5.4		1
7.7		2
6.6		3
8.1		4
6.5		5
4.9		6
4.6		7
4.5		8
9.5		9
8.6		10
6.5		

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(9)



. 2002

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(%44.5)

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(93.4)

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%25

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%8.9

4.07 (Eigen Value)

0.36

(%9)

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%5,5

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%4,3

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%9,7

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(38)

%6,1

(9)

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(8)

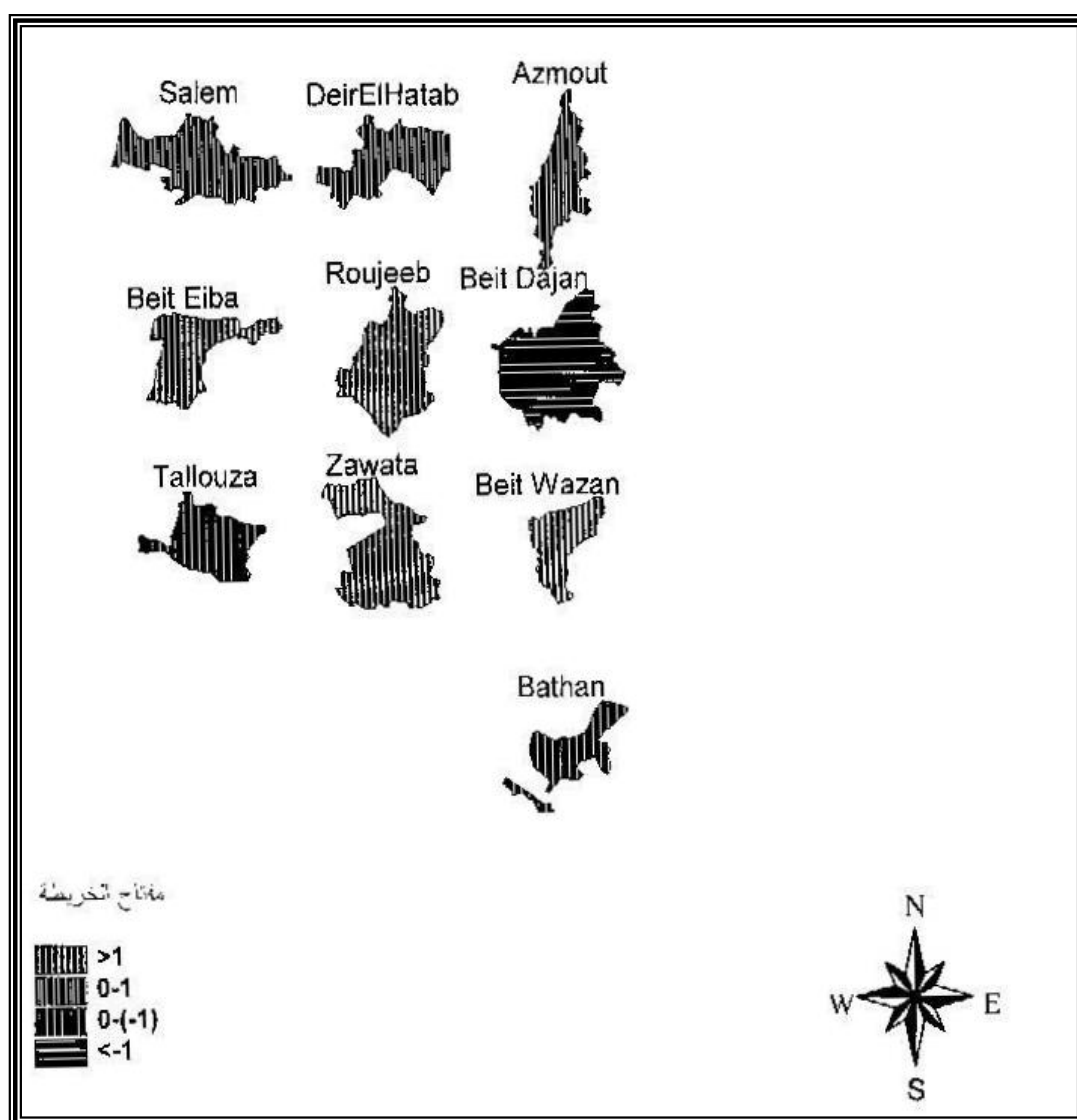
(23)

0.79		1
0.76		2
0.76		3
0.69		4
0.68		5
0.68		6
0.59		7
0.55		8
0.51		9
0.82 -		10
0.52 -		11
0.43 -	2 150	12
0.41 -	5	13

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Yeats , and B.Garner. The North American City, third edition, Harper and Row, Sanfransisco, 1983, p.20.	- 7
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.	- 12
Abu-Lughod,Janet, (Testing the Theory of Social Area Analysis), The Ecology of Cairo, Egypt, (American Sociological Review, p202-209, 1969.	- 13

Jonston,R.J. (Social Area Change in Melbourne) 1961-1966, A , Sample Explo - 14

.tation, Australian Geographical Studies ,Vol..11. p.80-98 ,1973

Hirst, N. A. (Comparative Factorial-Ecology, The Australian Case), Australian – 15

Geographical, Studies, Vol. 15. 1977. P 60-62.

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76. 1986 ()

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159. 1986 ()

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126. 1988

Murdi, R. A. (Factorial Ecology of Metropolian Torento, 1961: An Essay on the -24

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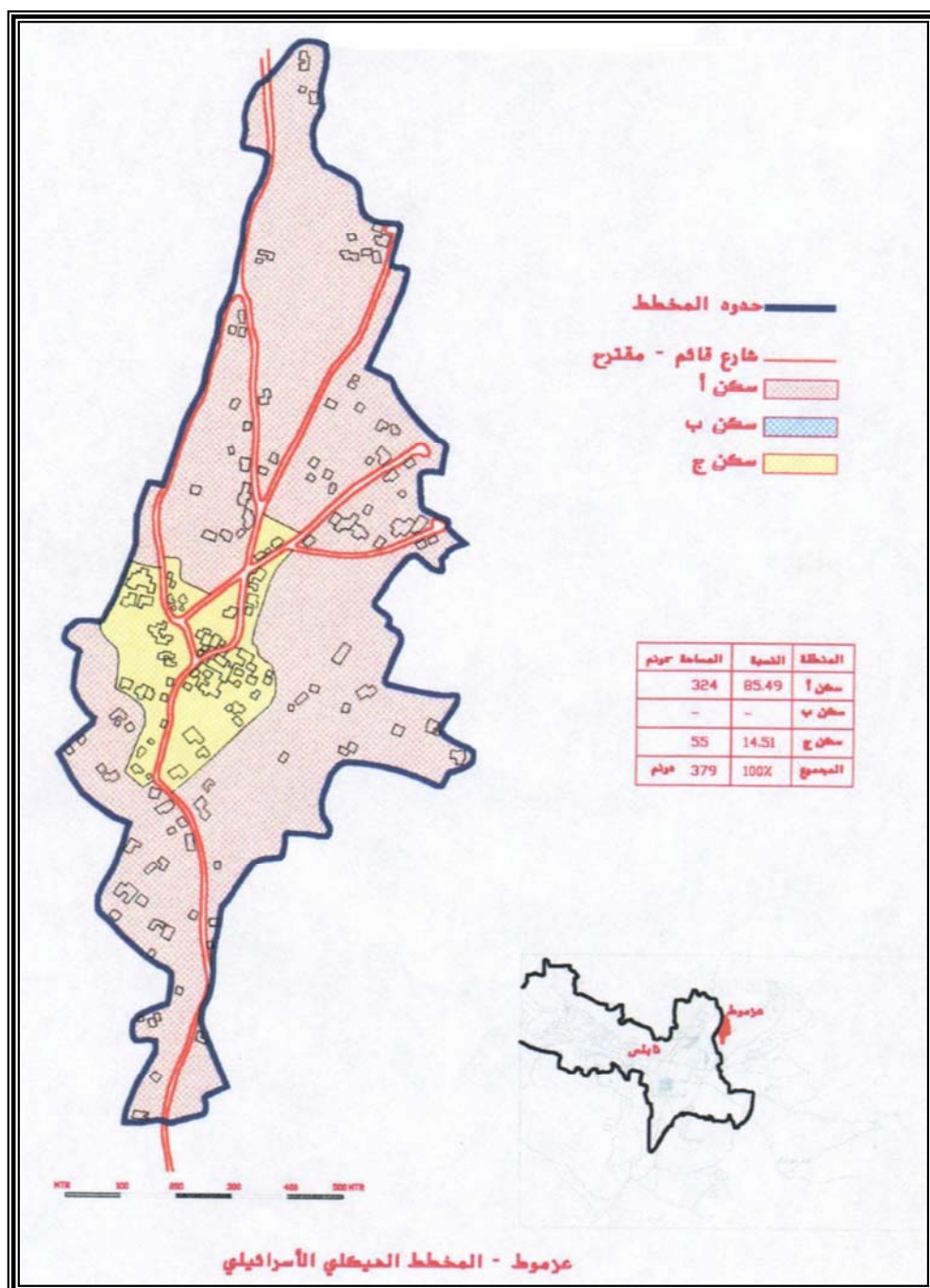
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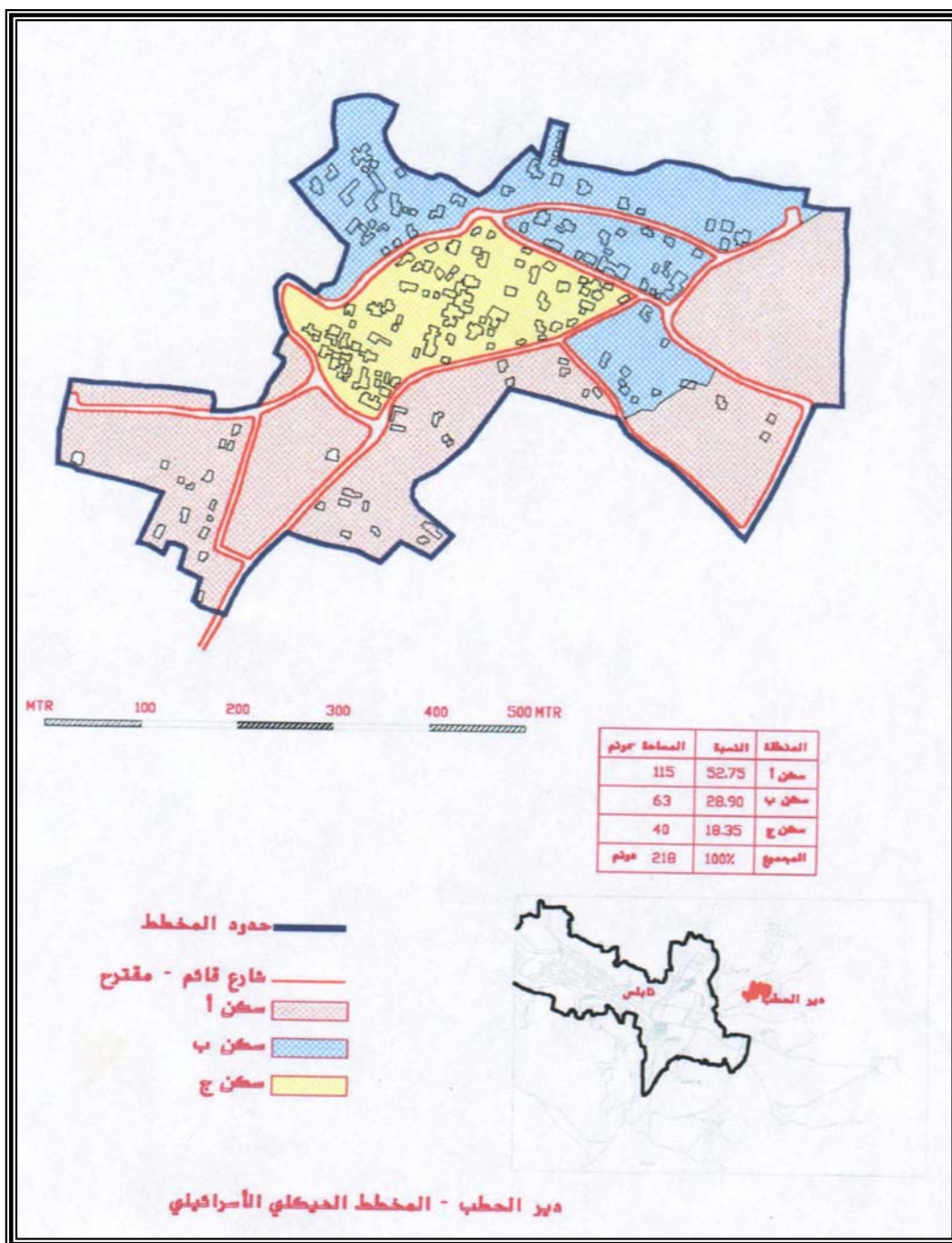
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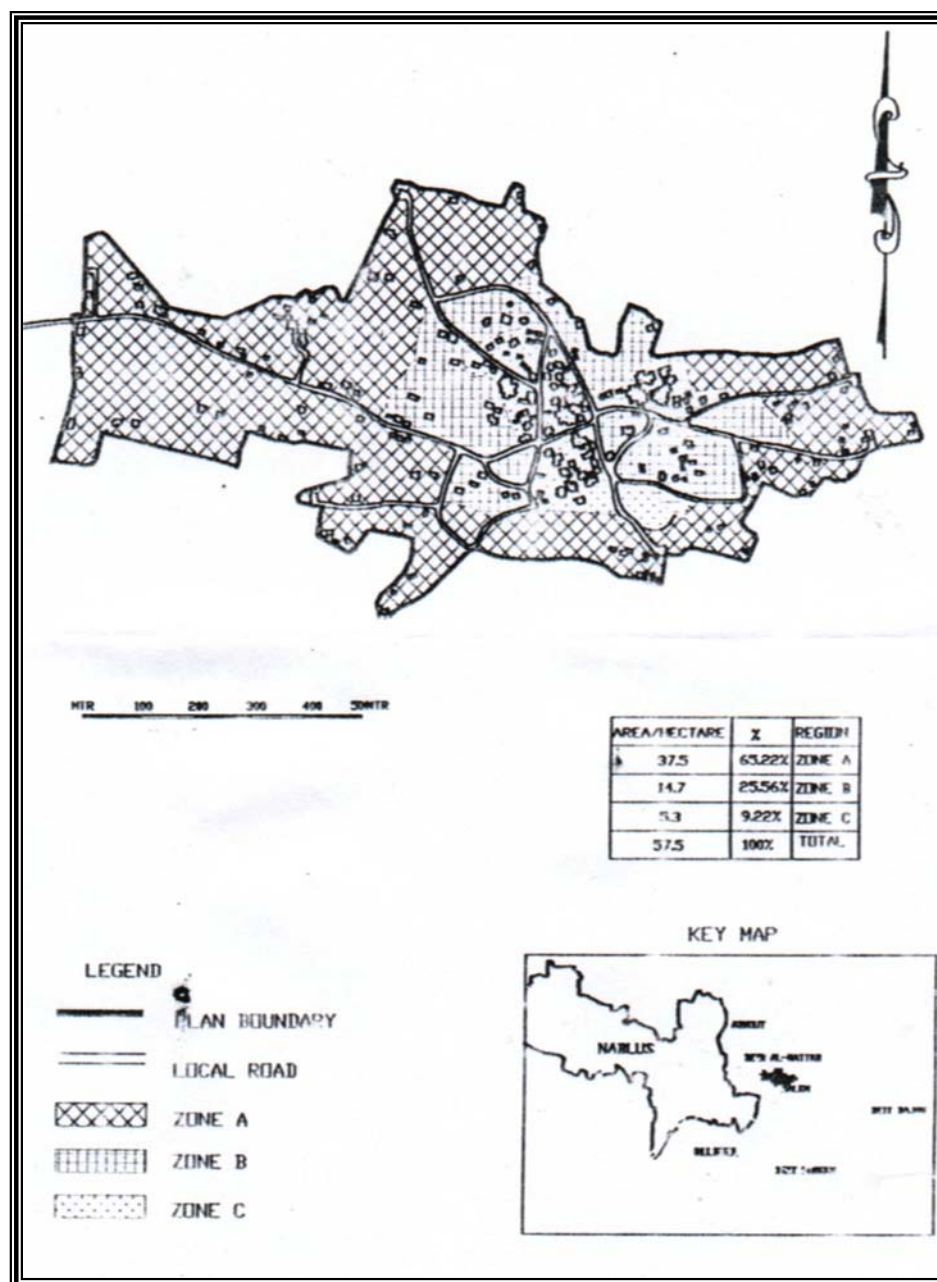
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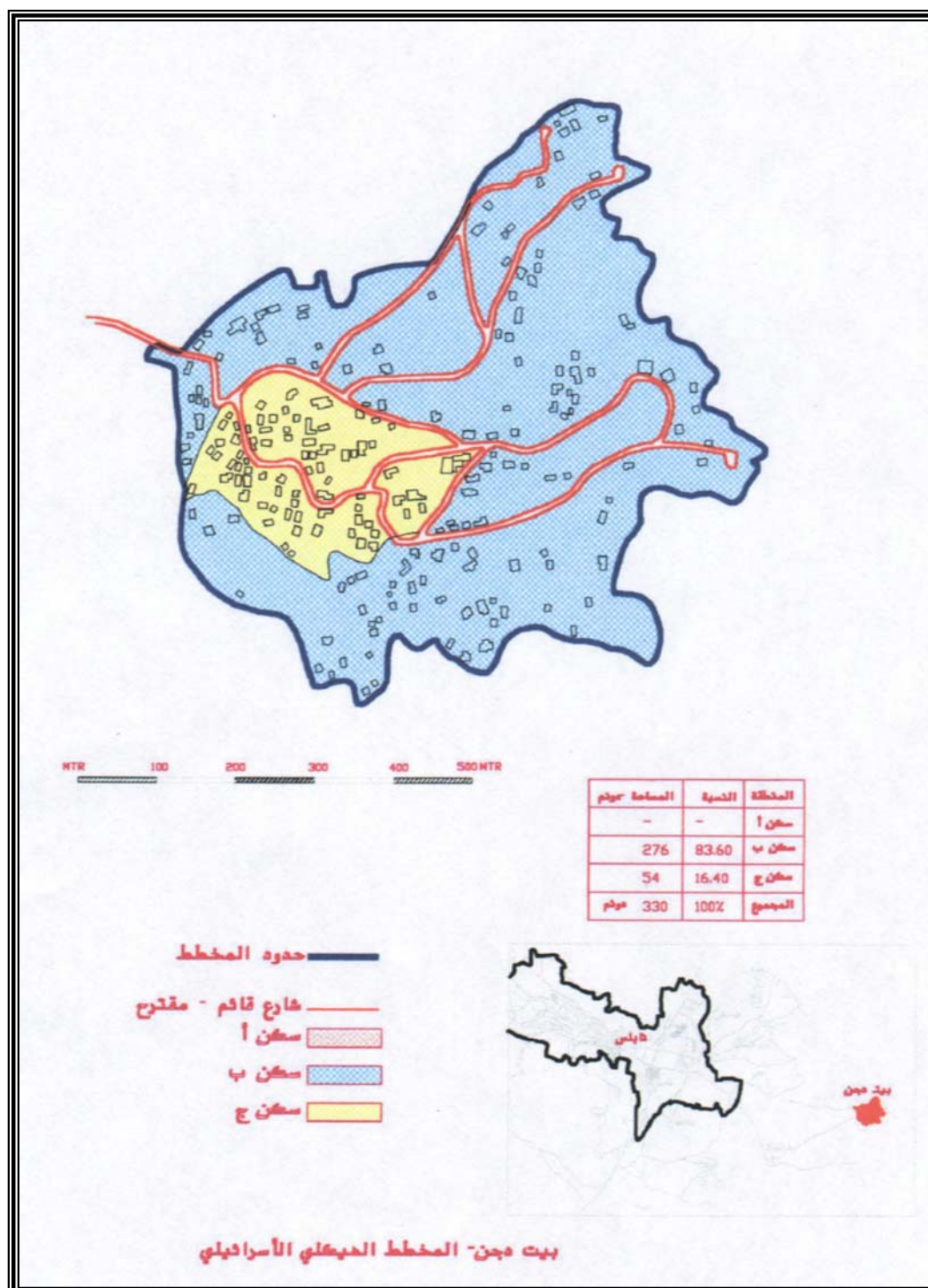
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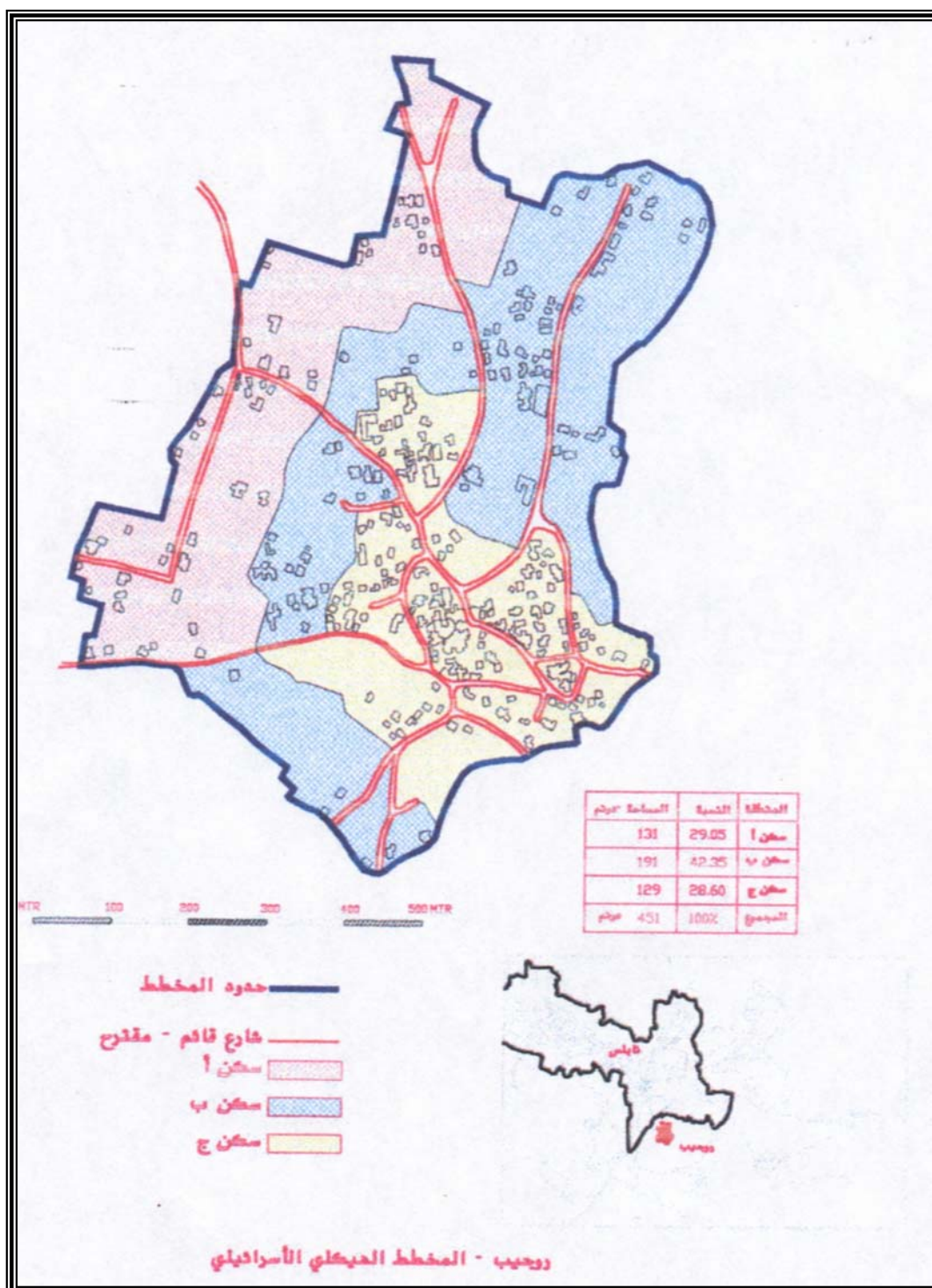
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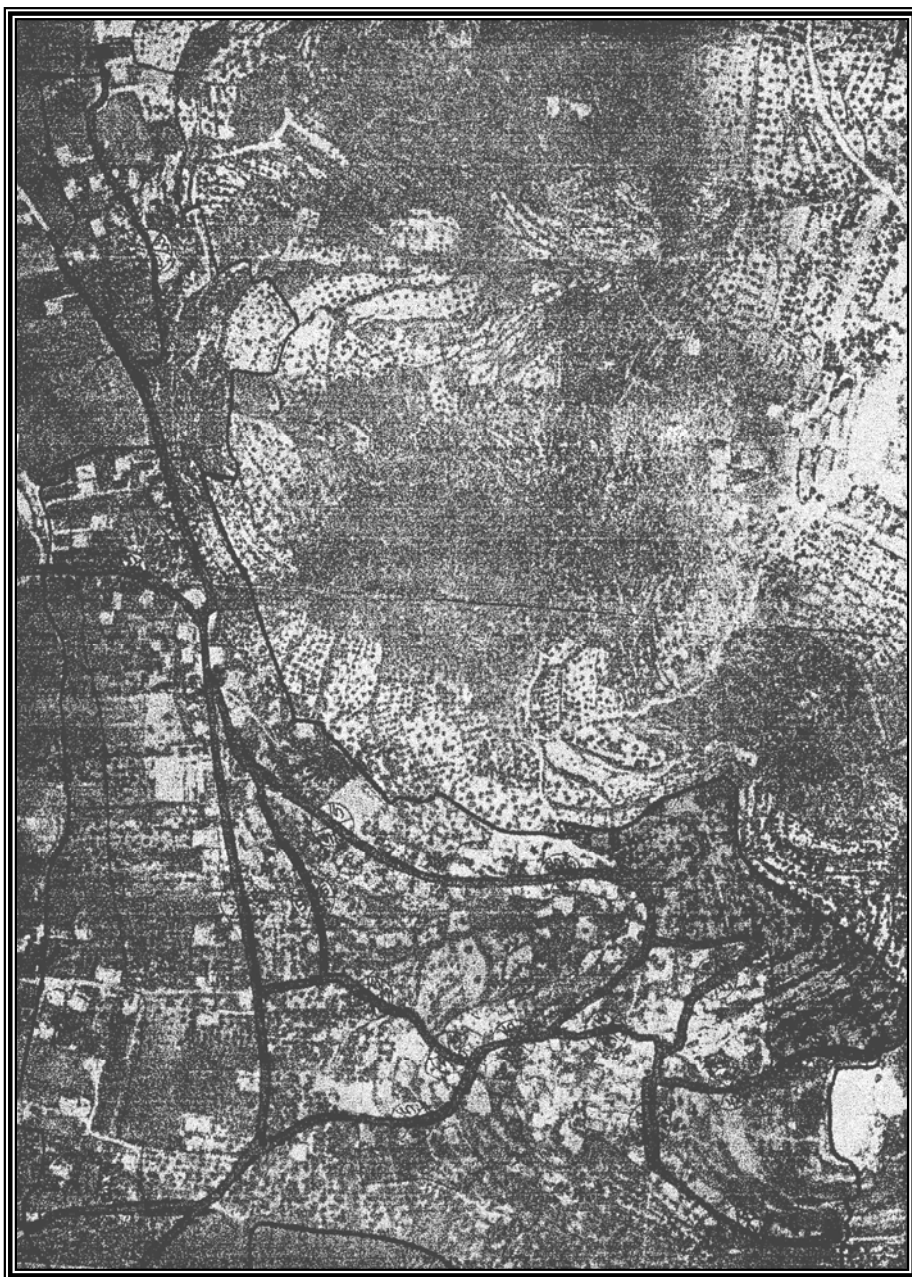
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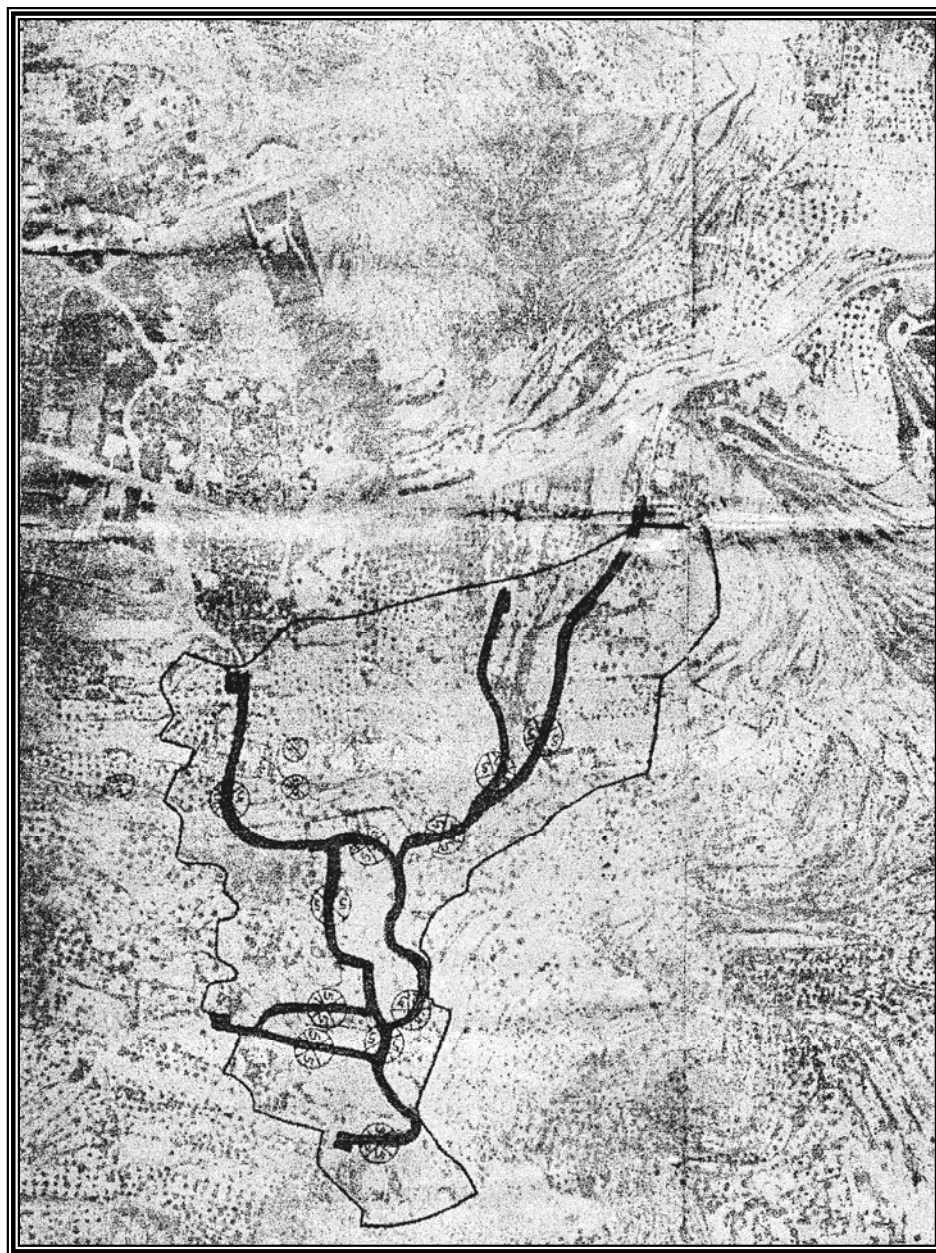
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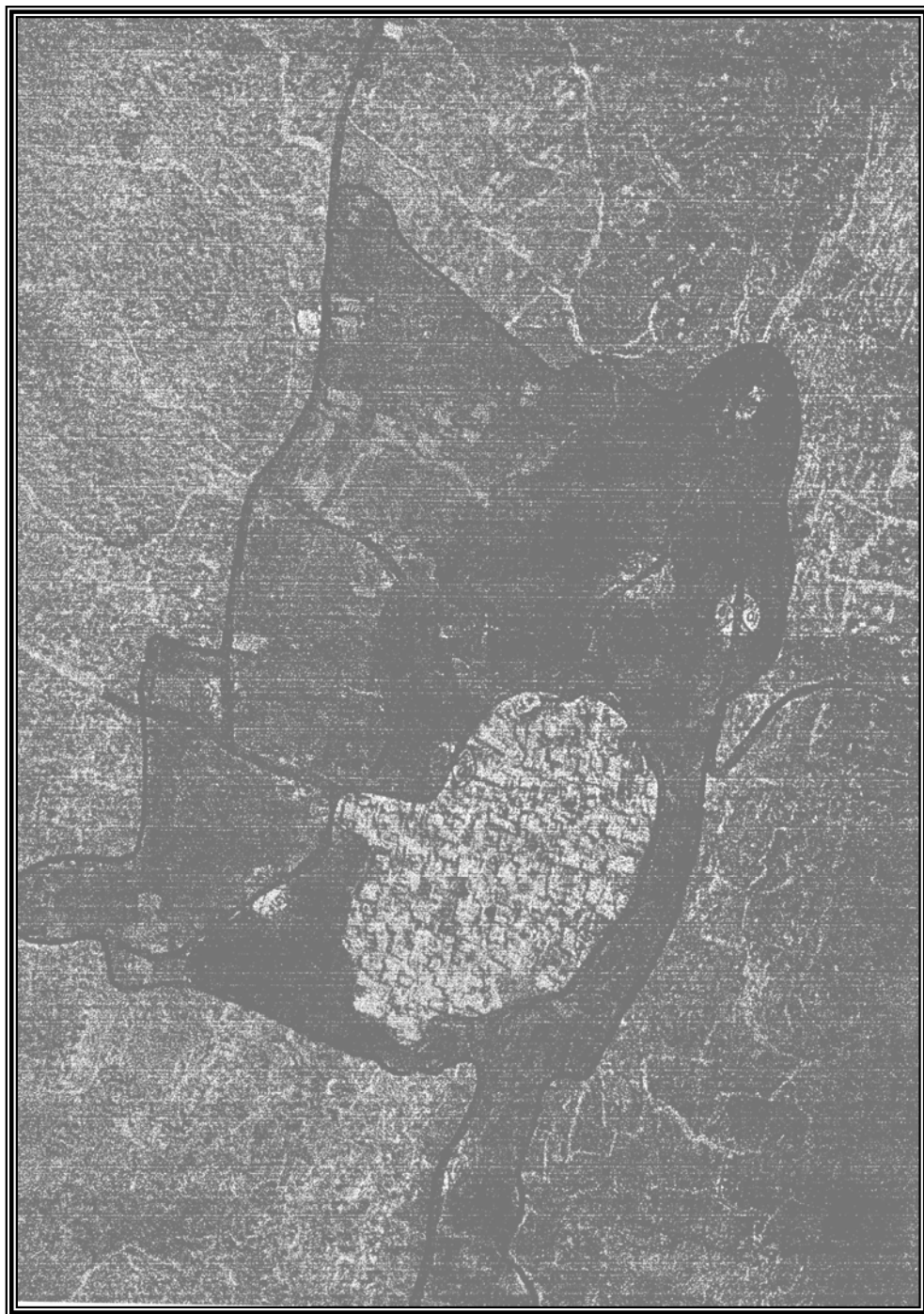
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- 6) **The conservation of agricultural land by controlling the expansion of construction and industrial agglomerations.**

Finally , the usage of Factor analysis for such a study is significant and needs to be more used in similar studies.

An-Najah National University
Faculty of Graduate Studies

**Land Use, Growth Direction and Internal Structure in Some
Villages in Nablus Governorate
" A Study In Rural Geography"**

**Prepared by
Riyad Farhan Hasam Alawnhe**

**Supervisor
Dr. Aziz Dweik**

**Submitted in Partial Fulfillment of the Requirements for the Degree of Master in Geography,
Faculty of Graduate Studies, at An-Najah National University, Nablus, Palestine.**

**2004
Land Use, Growth Direction and Internal Structure in Some
Villages in Nablus Governorate**

"A Study In Rural Geography"
Prepared by
Riyad Farhan Hasam Alawnhe
Supervisor
Dr. Aziz Dweik

Abstract

This is study of land use and internal structure of some of Nablus District villages such as (Azmouat, Dier AL-Hatab, Salem, Beit Dajan ,Roujib, zaota, Beit Iba Talouza, Biet Wazan and Bathan,).

The factor affecting land use and internal structure has been dealt with using statistical methods such as Factor Analysis.

Data collection and analysis were an important past of this study which meant to find a common thread connecting the land use and internal structure of Palestinian rural sector. SPSS statistical package has been used through:

- a. The establishment of Data Matrix.**
- b. Correction Matrix.**
- c. Principle Component Analysis , and**
- d. Finding Dimensions.**

The author established a data matrix which has 48 variables and ten statistical area units (48X10). Through the whole process, he could define five factor dimensions which could explain 54% from the total variations in the matrix. These are:

- 1) Family Structure Factor.**
- 2) Family characteristic Factor.**
- 3) Services Factor.**
- 4) Socioeconomic Factor and**
- 5) House characteristic Factor.**

Main Recommendations:

- 1) It is imperative to re-plane the study area comprehensively and without exclusion**
- 2) We should've our own national planes.**
- 3) It is important to expend the boundaries of the Palestinian villages in several and the villages of the study area in particular.**
- 4) A control is necessary for constructions and material used for this purpose.**

5) The usage of land use pattern in the study area with a aim of keeping population, and not pushing them out there habitat.