

Spatial and temporal analysis of educational services in the city of Alssaouira

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Abstract

Educational services are one of the important jobs in the city of Alssaouira because of the importance of the role they play in serving the population of the city and its region, as well as it occupies a large area of the total area of the city and employs quite a few of the total workforce in the city, and this function represents an important element in the internal structure of the city of Alssaouira, the number of workers in the service sector in the city of Alssaouira in general for the year 2021 reached (3137) people working in an area of (1997.41) km², So, The recreational activity area was added to the area occupied by services, in the government and private sectors, and the field study and the official statistics available for the various educational institutions in the city were used to know the number of institutions at all academic levels, the number of students and teaching staff in them, as well as their regional role.

Key Words: Educational Function, Schools, Kindergarten, University Education

Introduction

Research problem: Is the city of Alssaouira performing its educational services correctly?

Research hypothesis: the city of Alssaouira is not performing its educational services properly

Boundaries of the study area: It is the municipal boundaries of the city of Alssaouira.

Educational Service: Table (1), (2) and Map (1) show that the number of employees in administrative services in the city of Alssaouira has reached (823) people, which is equivalent to (26.2) % of the total employees in services.

Educational services are one of the basic services provided by the city of Alssaouira due to the large number of institutions for different

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stages of education, starting from kindergarten through primary, mediation, preparatory and vocational education to university education, and these institutions educate about (27) % of the total population of the city, So, the number of schools in various stages of education was (119) buildings (kindergarten, school, institute or college) and the number of members of the educational bodies (2075) teacher or teacher or teacher or university professor and the number of students (25085) students note Table (3), knowing that despite the importance of this service, the interest in it is not equivalent to its importance and according to the nature of the central administrative system in Iraq and due to the transfer of most of the departments and institutions of the population of the district of Alssaouira and its administrative units to the city of Alssaouira, the services provided by the service institutions in the city provide their services to the residents of the city of Alssaouira and its region and its administrative units, according to the size of their importance.

Table (1) Number and Percentage of Employees in the Service Job in the City of Alssaouira for the Year (2021)

Type of service job	Number of employees	Percentage
Administrative	823	26.24
Educational	2038	64.97
Sanitary	177	5.64
Religious	40	1.27
Transportation	59	1.88
Total	3137	100

Source: Researcher based on the list of Alssaouira District, Administrative Division, unpublished data.

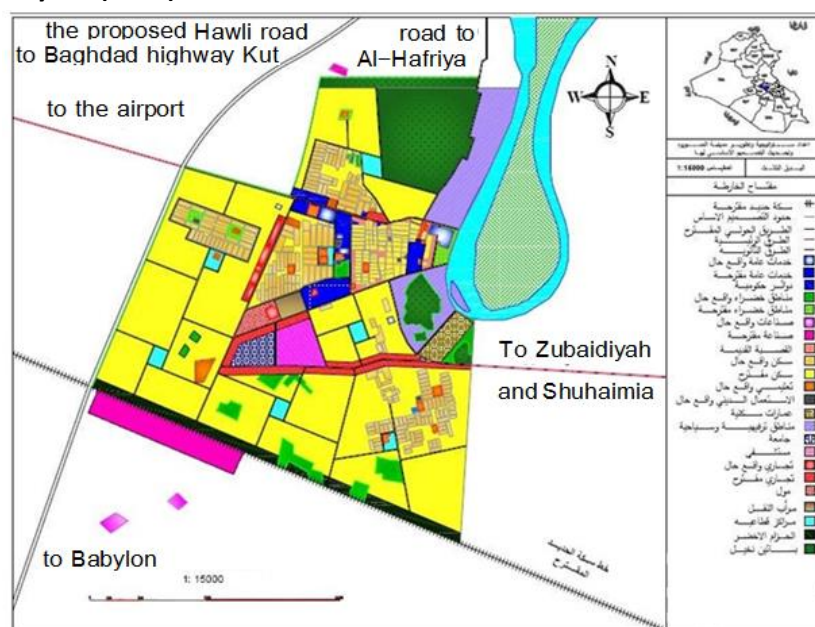
Table (2) Number and Percentage of Employees in Administrative Services in the City of Alssaouira for the Year (2021)

Service Type	Number of Employees	Percentage %
Qaimaqamiya	72	8.75
Municipality	75	9.11
Passport	63	7.65
Department of Status	64	7.78
Police Directorate	105	12.76
Real Estate Registration	60	7.29
Tax	58	7.05
Agriculture	62	7.53

Traffic	84	10.21
Civil Defiance	44	5.35
Water and sewage	62	7.53
Electricity	74	8.99
Total	823	100

Source: Researcher based on the list of Alssaouira District, Administrative Division, unpublished data.

Map (1) Land Uses, including Administrative Services in Alssaouira City for (2021)



Source: Based on the Ministry of Planning, GIS Division, Comprehensive Planning Project, Planning Alternatives for the City of Alssaouira, Unpublished Data, 2022.

It is clear from Table (4) that the number of enrolled in kindergartens in 2021 was (216) children distributed between two government kindergartens and two private kindergartens, pictures (5) and (6) were observed, the two government kindergartens contained (96) children, while the two private kindergartens had (120) children, while the number of educational bodies in kindergartens was (14) teachers in each kindergarten, i.e. at a rate of approximately (4) children per teacher, the hope of private kindergartens was (21) teachers, i.e. at a rate of (3) Children for every teacher, and through the foregoing, it appears that the city needs to expand this service by opening new kindergartens in densely populated shops such as teachers and Zahra,

and the difficulty of transporting children to and from kindergarten is one of the main factors in the low number of kindergarten enrollments, and the difference is great between the standard of the Ministry of Education and what actually exists, so the gap was (-29) and its percentage was (-93)%.

Photo (1) Primary school in Al-Zohour neighborhood



Photo (2) Private numbers in the teachers' neighborhood



As for primary education, it is shown from Table (5) that the number of primary schools in the city of Alssaouira is (78) schools, while the number of buildings was (56) schools, so the shortage in double-time buildings was compensated, and in primary education in the city (15756) male and female students are studying.

Photo (3) Shift schools



Source: Field study on 28/3/2023

Photo (4) Directorate of Education in Alssaouira



Source: Field study on 28/3/2023

Table (3) Number of students, educational bodies and schools in the city of Alssaouira for the year (2021)

Type of education	Number of students	Number of educational bodies	Number of schools
Kindergarten	216	70	4
Primary education	15756	1092	78

Medium schools	4893	336	21
Preparatory	1496	272	8
High school	1182	198	6
Institutes	1092	84	1
Colleges	450	23	1
Total	25085	2075	119

Source: Researcher based on the Alssaouira Education Directorate, Planning Division, unpublished data.

The number of schools according to the standard was (63) schools, while the gap compared to the number of schools (15) schools and the percentage of this gap (19)%, while the gap compared to the number of buildings (-7) represents a gap of (-12)%, and the number of students per school was about (202) students, while the number of members of the educational staff was (1092) teachers by (7) % pupil or pupil per teacher, and what distinguishes the primary schools of the city of Alssaouira is that they are old buildings, note the picture (7) and (8) except for a few.

Table (4) Number of children, educational bodies and kindergartens in the city of Alssaouira for the year (2021).

Type Number	The Number	Number of children	Number of teachers	Number of kindergartens by criterion	Gap	Percentage Gap %
Governmental	2	96	28	31	-29	-93
Eligibility	2	120	42			

Source: Researcher based on the Directorate of Education of Alssaouira, Planning Division, unpublished data, 2022.

Table (5) Number of primary schools, students and educational bodies in the city of Alssaouira for the year (2021)

No of schools	No of students	No of educational bodies	No of buildings	No of schools by standard	Gap compared to No of schools	Percentage of gap No of schools %	Gap compared to No of buildings	Gap ratio compared to No of buildings
78	15756	2038	56	63	15	19	-7	-12

Source: Researcher based on the Alssaouira Education Directorate, Planning Division, unpublished data

Photo (5) Government kindergarten



Source: Field study on 28/3/2023

Photo (6) Private Kindergarten



Source: Field study on 28/3/2023

As for education in secondary, preparatory and middle schools, it is shown from Table (6) that the middle schools numbered (21) schools and the number of buildings (11) schools, so double shifts were adopted, and this also applies to preparatory schools and secondary schools in which the number of buildings is less than the number of schools, and (4893) students are taught in middle schools and taught by (336) teachers and schools, While the number of preparatory schools was (8) with the number of buildings (5) and the number of educational bodies (272) teachers and schools who teach (1496) students, and in secondary education the number of schools was (6) with the number of buildings (3) and the number of educational bodies (198) teachers and schools who teach (1182) students, and through the same table it is clear that the number of secondary schools according to the standard is much higher than the schools already in the city, as it reached (19) Secondary schools.

Table (6) Number of Middle, Preparatory and Secondary Schools in Alssaouira City for the Year (2021).

Type of education	No of schools	No of buildings	No of students	No of educational bodies	No of secondary schools by criterion	Gap in the No of secondary schools	Gap ratio %
Middle School	21	11	4893	336	19	13	15
Preparatory School	8	5	1496	272			
Secondary schools	6	3	1182	198			
Total	35	19	7571	806			

Source: Researcher based on the Alssaouira Education Directorate, Planning Division, unpublished data.

Photo (7) Primary school in Mahallat al-Zahra



Source: Field study on 28/3/2023

Photo (8) Intermediate in Al-Amal neighborhood



Source: Field study on 28/3/2023

which led to the gap in the number of secondary schools (13) schools, while the gap ratio was (15)%, and the ratio of students to the number of teaching staff was (14) students per teacher or school in middle schools, and (6) students in preparatory schools as well as secondary schools.

As for vocational schools and colleges, there is in the city of Alssaouira the Medical Technical Institute and the Technical Institute - Central Technical University, and there are in the first (8) scientific departments and in the second (5) scientific departments, and it is shown from Table (7) that the vocational education building is one that includes the Medical and Technical Institute - Central Technical University and located before the Alssaouira bridge, note picture (9) and map (2), which include (1092) students and the number of teaching staff (84) teaching and teaching.

As for university education, there are two faculties in the city of Alssaouira, the Faculty of Mass Communication and the University College of Kut, and for the Faculty of Mass Communication, it is closed and has been converted into a department in the Faculty of Arts in (the city of Kut, the center of Wasit Governorate) in the branches of journalism and public relations, starting from the academic year (2019-2020) according to the university order issued by the Presidency of Wasit University No. (13645) on (18/9/2019).

Table (7) Number of institutes and colleges and the number of students and educational bodies in the city of Alssaouira for the year 2021

Type of education		Number	No of students	No of educational bodies
Professionalism	Medical Technologist	1	1092	84
	Technical – Central Technical University			
University	Al Kut University College	1	450	23
	Faculty of Mass Communication	1	–	–

Source: Researcher based on the Presidency of Wasit University, Department of Planning, unpublished data.

The number of departments of Al-Kut University College reached (11) departments are (medical laboratory techniques or pathological analysis techniques, Quranic sciences and Islamic education, laser engineering and optoelectronics, dentistry, business administration, Arabic language, pharmacy, law, physical education and sports sciences, nursing, medical device technologies) Note the picture (10), in which (450) students are taught by (23) teaching and teaching.

Photo (9) Technical Institute of Alssaouira



Source: Field study on 28/3/2023

Map (2) Location of the Technical Institute of Alssaouira



Source: Researcher based on the Directorate of Urban Planning in Wasit Governorate, Base Design Map of the City of Alssaouira, unpublished data, 2022.

Photo (10) Al-Kut University College in Alssaouira



Source: Field study on 28/3/2023

Distribution of educational services in the city of Alssaouira

Table (8) and map (3) show that the distribution of educational institutions is linked in some residential shops in the city of Alssaouira to the number of residents in these shops, so if the number of residents of the locality is small compared to other shops and the number of educational institutions is similar to what exists in similar places, the percentage of the population of the locality decreases as the ratio between the population and the number of educational

institutions In residential areas (teachers, Arabism, employees, workers, Zahra) the lowest percentages amounted to (0.119, 0.093, 0.008, 0.094) % respectively, while it increased for this percentage in shops (martyrs, justice, tolerance, Nahrain, Jerusalem, Saray) as it reached (0.564, 0.460, 0.408, 0.403, 0.332, 0.295) % respectively, As for the total educational institutions, the shops (teachers, Arabism, employees, workers, Zahra) were the highest numbers, as they reached (10, 9, 9, 8, 9) institutions respectively, so their ratios to the total institutions in the city were the highest, as they reached (8.4, 7.6, 7.6, 6.7, 7.6) % respectively, while the percentage of educational institutions in residential shops with small population numbers was less in number and the percentage of Table (8) and Map (3) are noted.

The reason for the small number of institutions in the city's shops is due to the lack of construction of schools in them, as they do not exceed three or four schools, including the shops (the leader, Al-Firdaws, Al-Saray, Palestine) in which they reached (2, 2, 2, 1) institution, and it is taken on the current distribution of educational services in the city It does not give the actual need for the number of schools nor their different educational stages, the distribution picture has appeared The presence of (4) kindergartens (2) governmental and (2) eligibility, It is distributed in four residential shops (teachers, Arabism, Tigris, employees), while the other shops lack it, as well as the variation in the number of primary schools within the shops, which led to severe congestion in some of them, and some of them even decided to have double working hours, while the distribution of secondary schools is distributed in many shops, but their distribution is also irregular, but their number was more in the shops (teachers, employees, workers, Zahra), which reached (3) secondary schools in Each of them, while the distribution of university and vocational institutions It was limited to two, namely Al-Kut University College, which is located in The teachers' locality and the technical and medical institute whose building is located before the Alssaouira bridge serve the inhabitants of the city and its region.

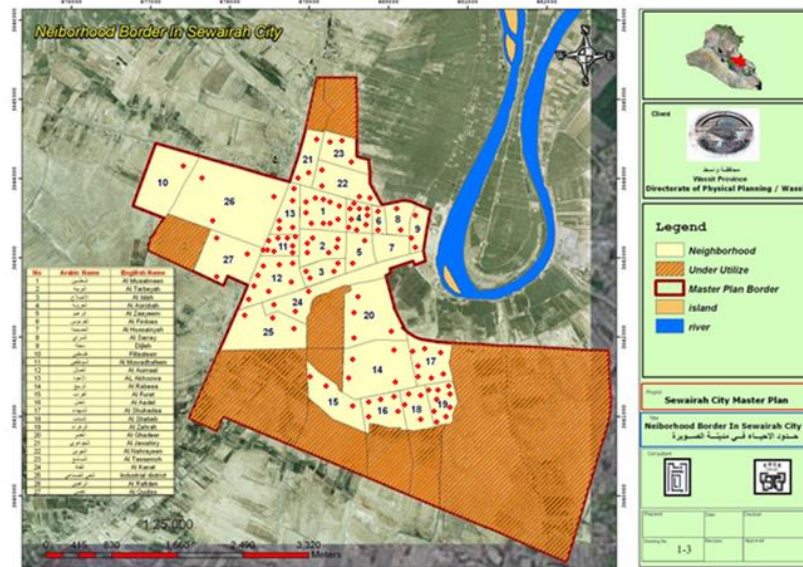
Table (8) Distribution of Schools by Educational Stages in Residential Shops in Alssaouira City for the Year (2021)

No	Name of Area	Population	Kindergarten	Primary	Secondary	Vocational University	Total	%	Percentage of Mahalla Population %	
1	Teachers	8390	1	5	3	-	1	10	8.4	0.119
2	Education	5125	-	4	2	-	-	6	5.0	0.117
3	Repair	3598	-	3	1	-	-	4	3.4	0.111
4	Arobah	8103	1	5	3	-	-	9	7.6	0.093
5	The Zaiem	1888	-	1	1	-	-	2	1.7	0.105

6	Paradise	1576	-	2	-	-	-	2	1.7	0.126
7	Husseiniya	1217	-	-	-	-	-	-	-	-
8	Saray	677	-	-	1	-	1	2	1.7	0.295
9	Tigris	5618	1	1	1	-	-	3	2.5	0.053
10	Palestine	5104	-	1	-	-	-	1	0.8	0.019
11	Moadafin	7681	1	5	3	-	-	9	7.6	0.008
12	Workers	8425	-	5	3	-	-	8	6.7	0.094
13	Brothers	1606	-	4	1	-	-	5	4.3	0.311
14	Spring	1288	-	2	2	-	-	4	3.4	0.310
15	Euphrates	1190	-	2	1	-	-	3	2.5	0.252
16	Justice	1086	-	4	1	-	-	5	4.3	0.460
17	Martyrs	1241	-	5	2	-	-	7	5.6	0.564
18	Youth	1035	-	3	1	-	-	4	3.4	0.386
19	Zahra	7385	-	6	3	-	-	9	7.6	0.121
20	Algadeer	1532	-	3	1	-	-	4	3.4	0.261
21	Algawahry	1129	-	2	1	-	-	3	2.5	0.265
22	Rivers	992	-	3	1	-	-	4	3.4	0.403
23	liberality	735	-	3	-	-	-	3	2.5	0.408
24	Channel	1085	-	2	1	-	-	3	2.5	0.276
25	Industrial	1606	-	2	1	-	-	3	2.5	0.186
26	Alrafidain	1054	-	2	1	-	-	3	2.5	0.284
27	Alkodas	903	-	2	1	-	-	3	2.5	0.332
	Total	81269	4	78	35	Before the bridge	2	119	100	0.146

Source: Field Study.

Map (3) Distribution of Educational Institutions in Alssaouira City for the year (2021)



Source: Researcher based on the Ministry of Planning, Directorate of Human Resources, GIS Division, unpublished data, 2022, and table (8).

Conclusions

- 1- The shortage in the number of buildings for schools at various stages, so it is noted that there is a shift system, so the building can be a middle school for boys in the morning and a secondary school for girls in the afternoon.
- 2- Insufficient teaching staff for different academic levels.
- 3- The unfair distribution of school sites, some of which are crowded in certain residential shops and some residential shops have only one or two schools.
- 4- The lack of a real vision for the development of educational services through numbers, standardization, wrong distribution of their sites, and the development of university education in them

Recommendations

- 1- Reconsidering the number of schools and teaching staff due to the increasing number of students annually.
- 2- Distributing schools to residential shops of all kinds in proportion to the number of residents and their distribution.

- 3- Opening appointments for graduates of faculties of education and arts as teachers and teachers to fill the shortage of teaching staff.
- 4- Opening new colleges and not closing existing ones to attract the largest number of students in the city.

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