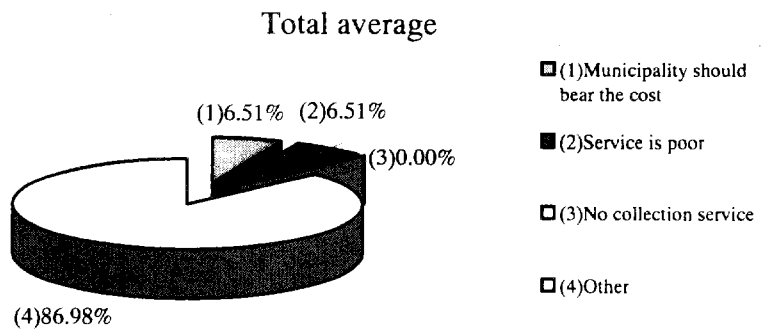
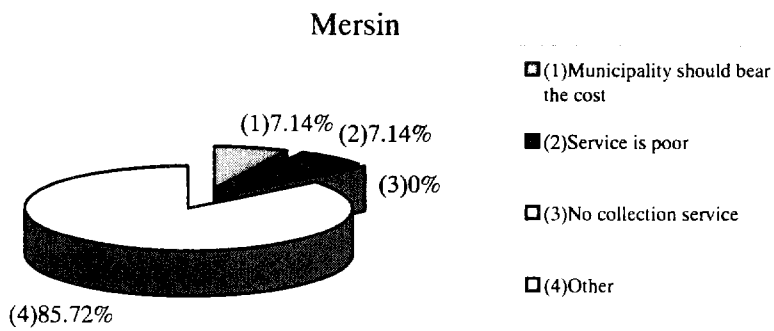
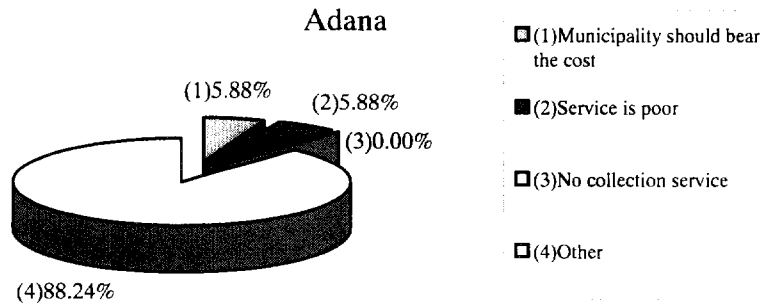
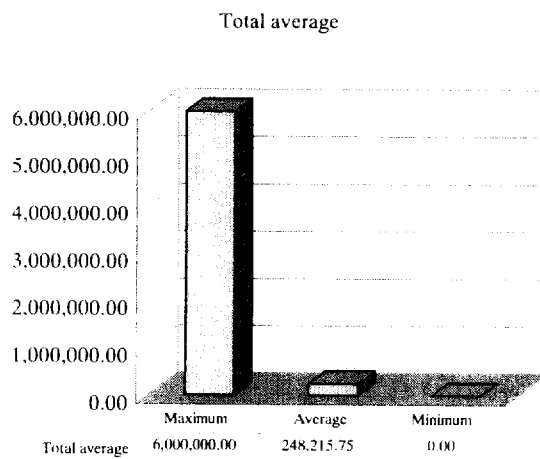
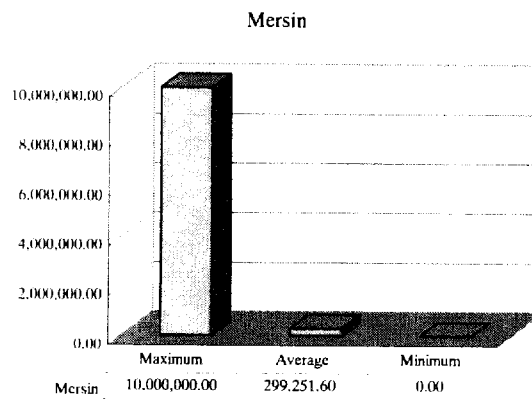
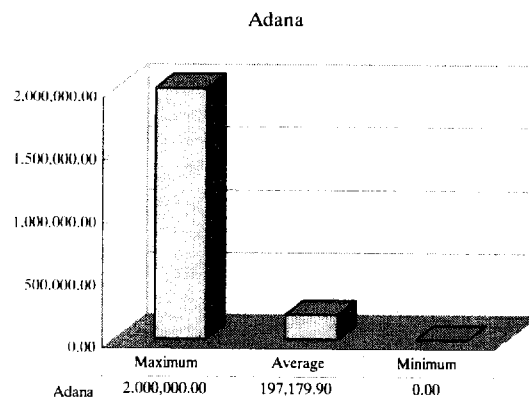


**Q.3.5 If no to Q.3.1, why do you not pay?**



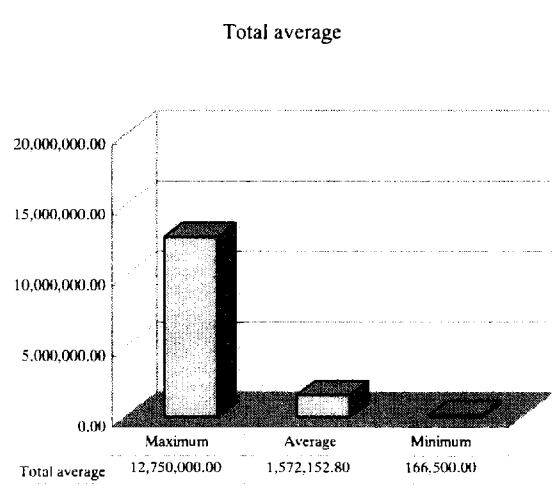
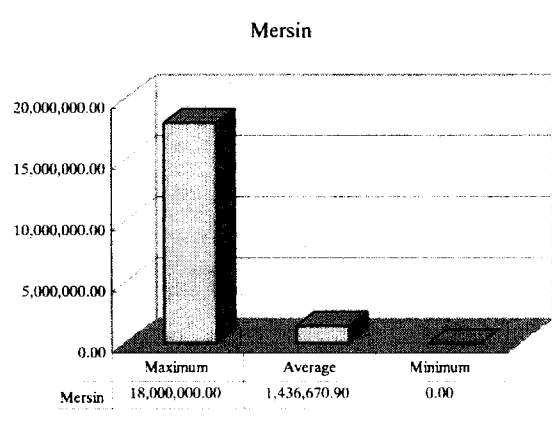
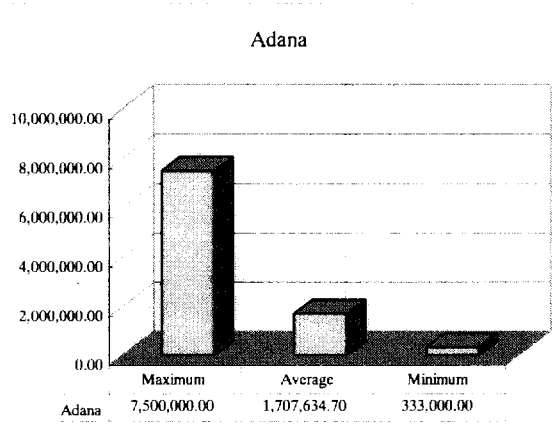
Only 3.88% of the residents in both greater municipalities said they do not pay the refuse collection fee in *Q.3.1*. The reasons are unknown as 86.98% of these residents pointed out [other reasons] in answer to their refusal to pay.

**Q.3.6 How much are you willing to pay at most per month (Turkish Lira)?**



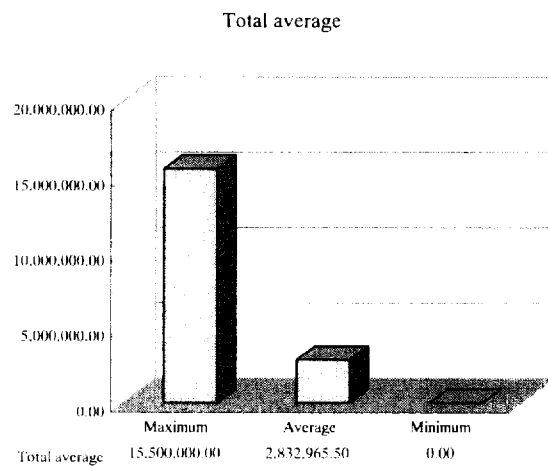
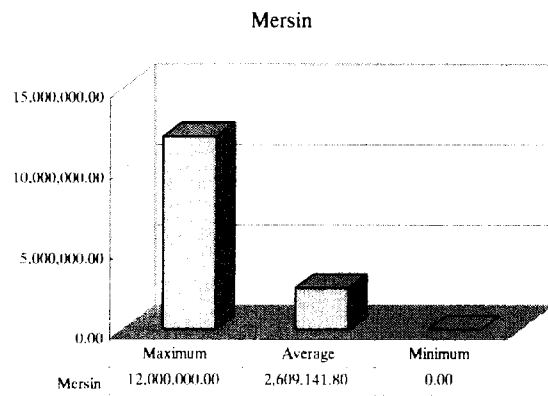
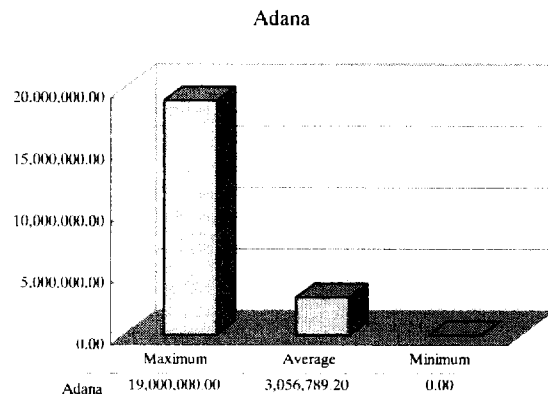
In contrast with the answers to Q.3.2, it is possible to slightly increase the monthly refuse collection fee in Adana from the present 178,876 TL/month to 197,180 TL/month. In Mersin, the current amount paid averages around 800,000 TL/month, but the residents can only afford an average of about 300,000 TL/month. Accordingly, a lot of the residents in Mersin consider the monthly refuse collection fee as expensive.

**Q.3.7 How much are you paying for water service per month (Turkish Lira)?**



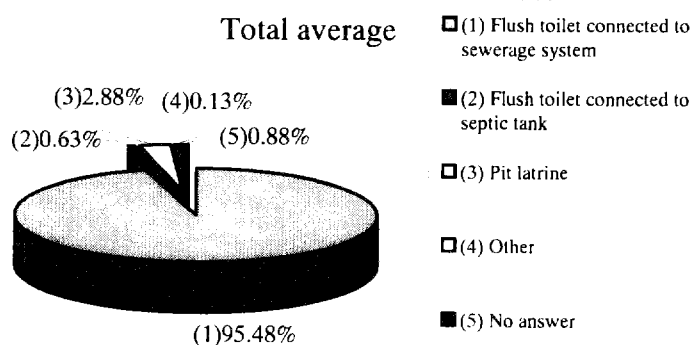
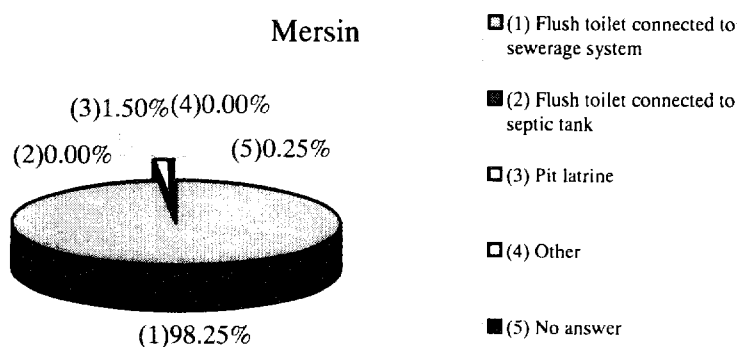
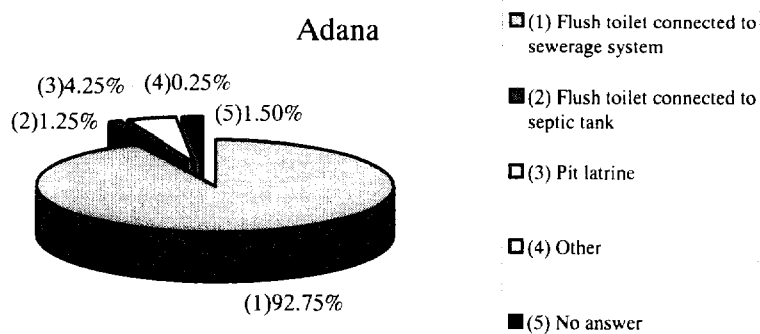
In contrast with the waste collection fee, residents of Adana and Mersin pay the same amount for water supply: around 1,500,000 TL on average.

**Q.3.8 How much are you paying for electric power service per month (Turkish Lira)?**



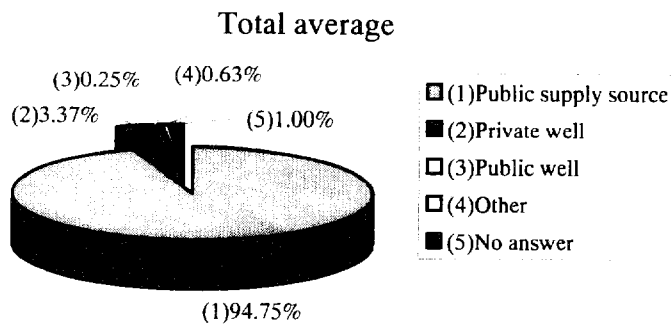
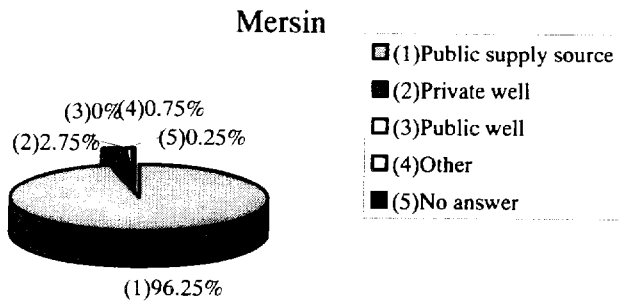
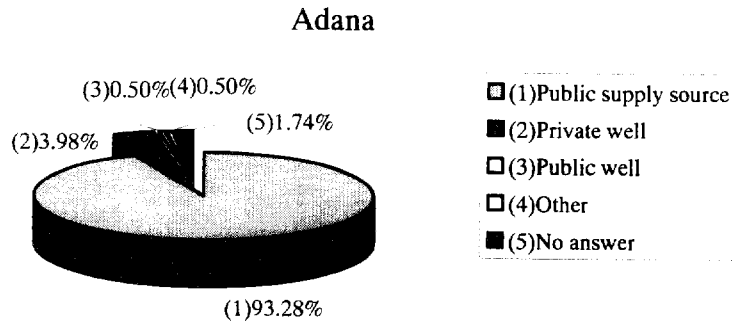
Unlike the refuse collection fee, there is not much difference in the electric bill in both greater municipalities.: 3,056,789 TL/month on average in Adana, 2,609,142 TL/month on average in Mersin.

### Q.4.1 Liquid wastewater disposal facility



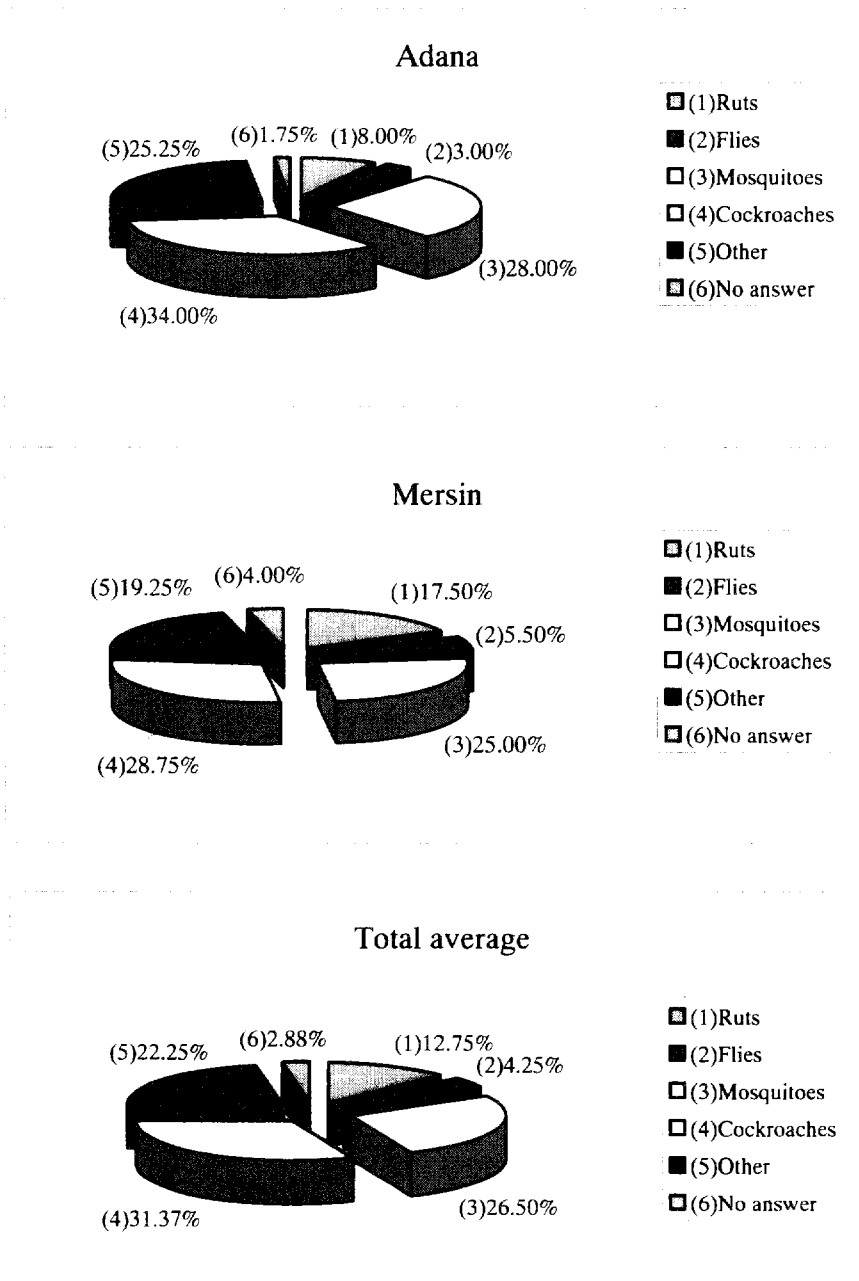
In both greater municipalities, over 95% of the residents (92.75% in Adana, 98.25% in Mersin) use flush toilets. Both greater municipalities have a sewerage system that respectively covers the whole territory.

### Q.4.2 Water supply source



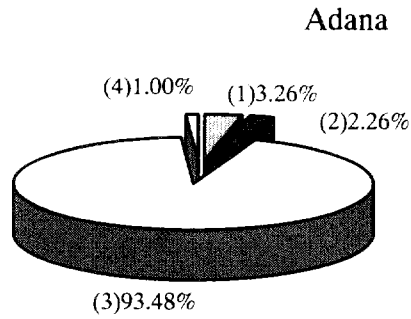
Almost all residents (94.75%) in both greater municipalities answered that water supply is provided.

**Q.4.3 Are there problems in your house associated to pests?**

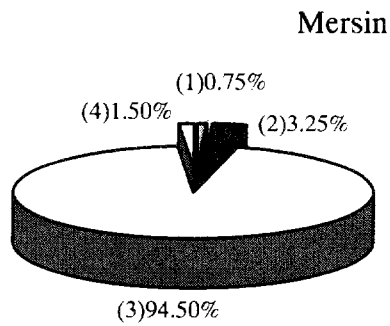


Almost 75% of the total number of residents in both greater municipalities indicated problems with pests: 26.50% with mosquitoes, 31.37% with cockroaches.

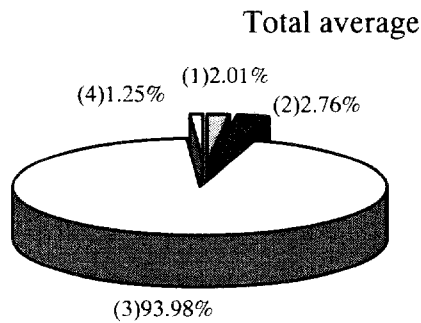
**Q.4.4 Have you ever had any guidance on methods of refuse handling?**



- (1) Yes, more than once
- (2) Yes, once
- (3) No, never
- (4) No answer



- (1) Yes, more than once
- (2) Yes, once
- (3) No, never
- (4) No answer

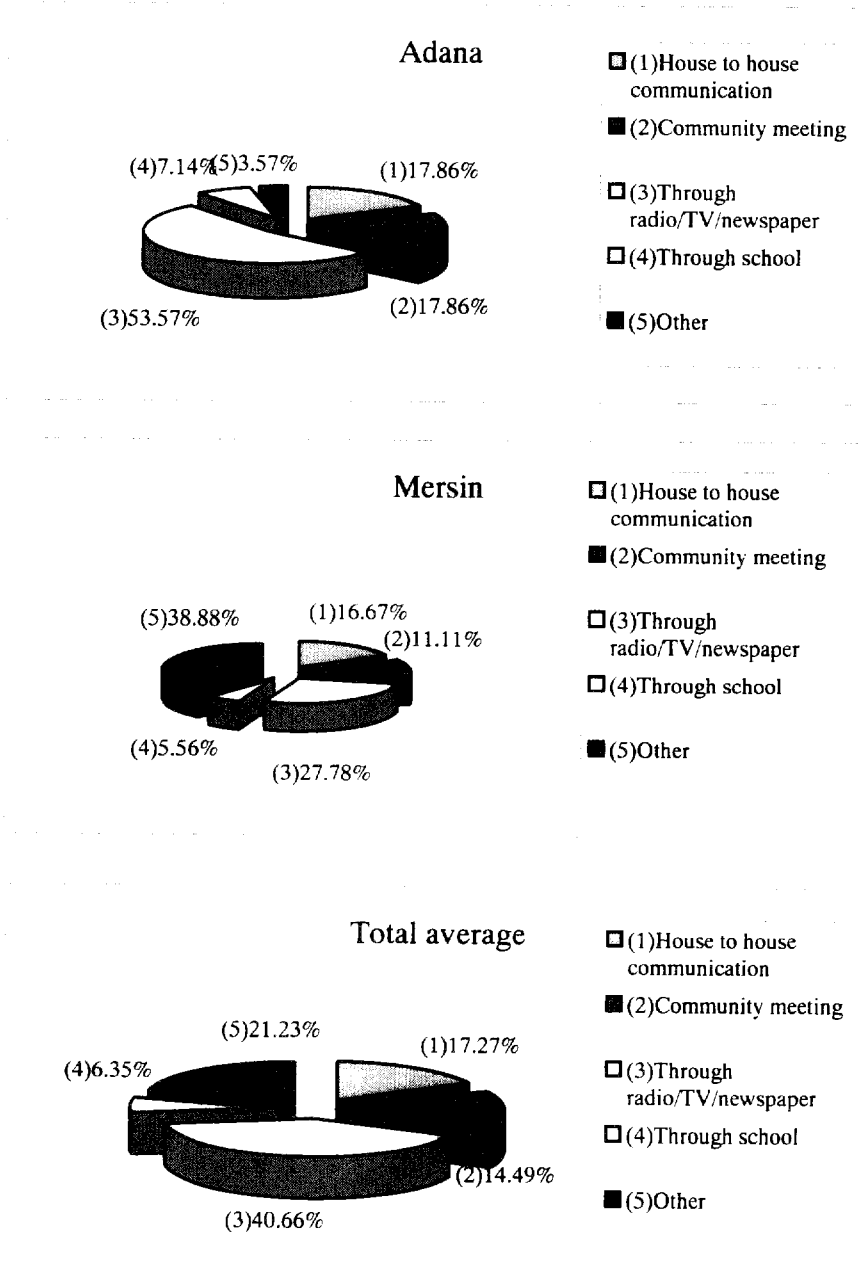


- (1) Yes, more than once
- (2) Yes, once
- (3) No, never
- (4) No answer

Of the entire number of residents, 93.98% said they never had guidance in refuse discharge methods. There is, therefore, a need to conduct a program to educate the residents on adequate refuse discharge manners.

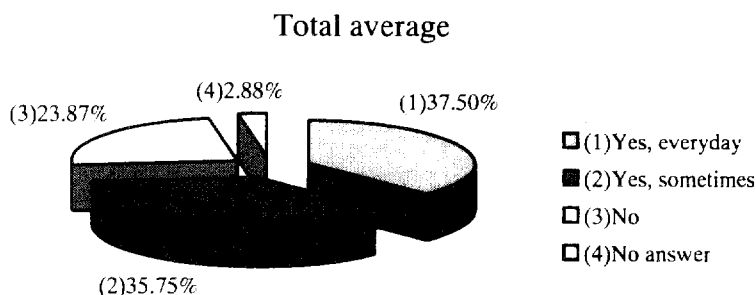
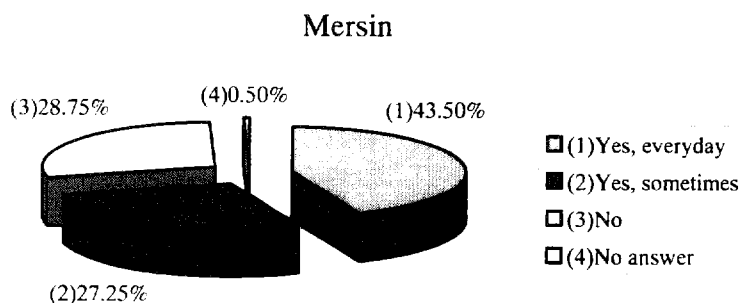
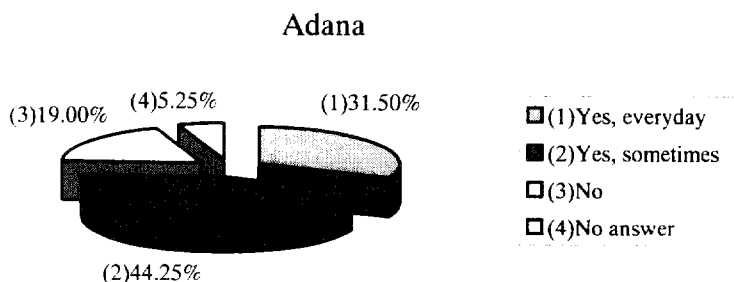


**Q.4.5 If yes, how did you become aware of it?**



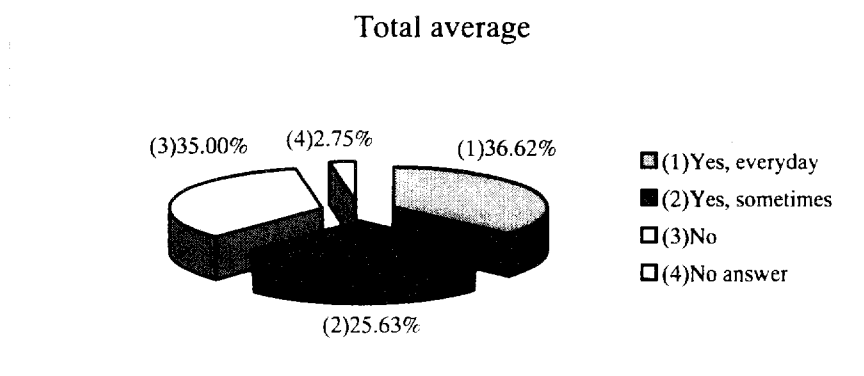
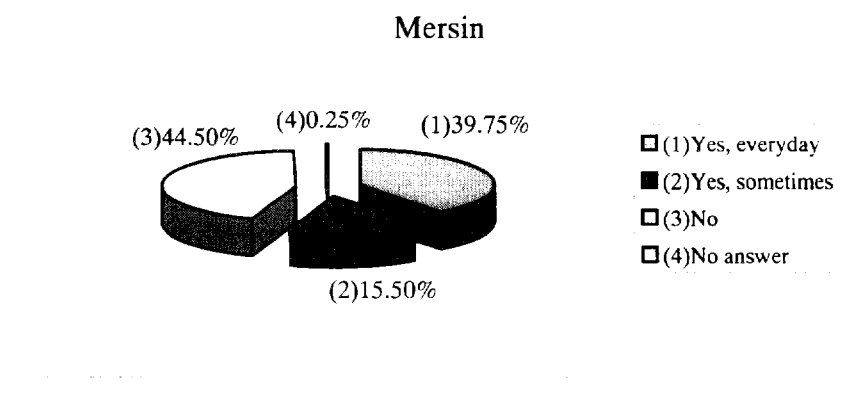
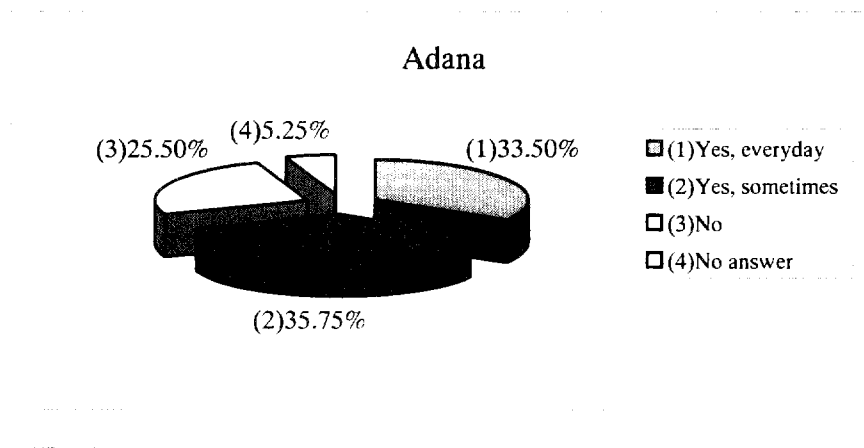
The number of residents in both greater municipalities who said yes to Q.4.4 totalled 40.66% on average. These residents mostly refer to the following sources: TV/radio/newspapers. However, since Q.4.4 indicates that 93.98% of the residents have not received guidance, it is safe to assume that adequate discharge methods are not fully promoted.

**Q.4.6 Does anyone in your house clean the drains near the house?**



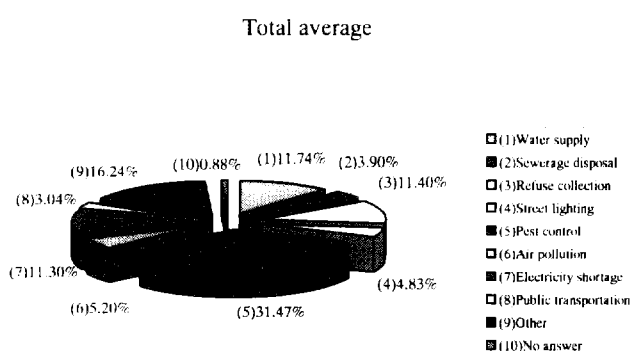
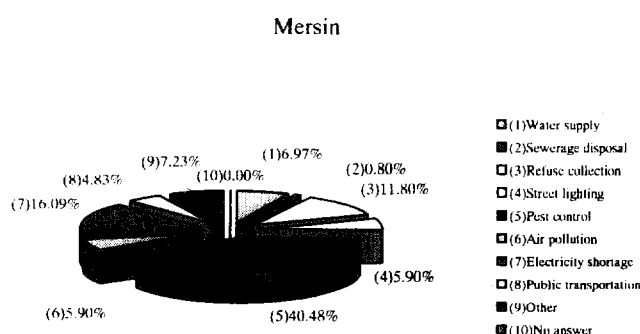
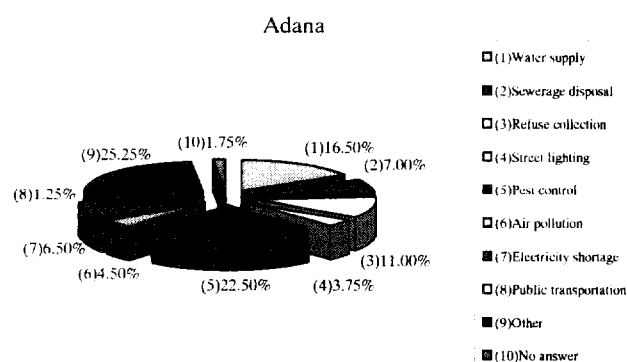
Of the surveyed residents, 75.75% in Adana and 70.75% in Mersin said they clean the drains near their houses everyday or sometimes. Many of the residents in both greater municipalities voluntarily clean public facilities.

**Q.4.7 Does anyone in your house sweep the pathway in the front?**



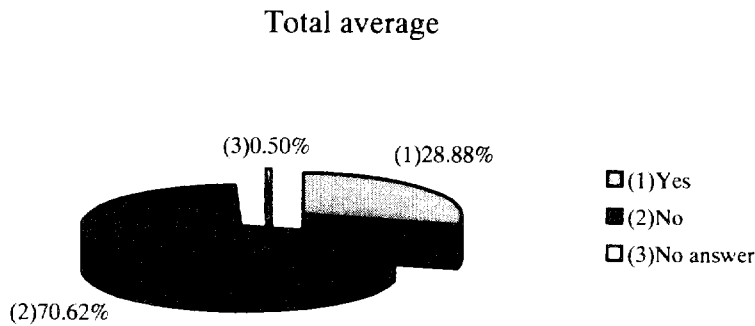
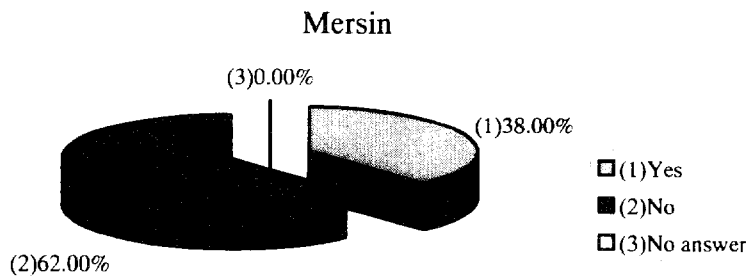
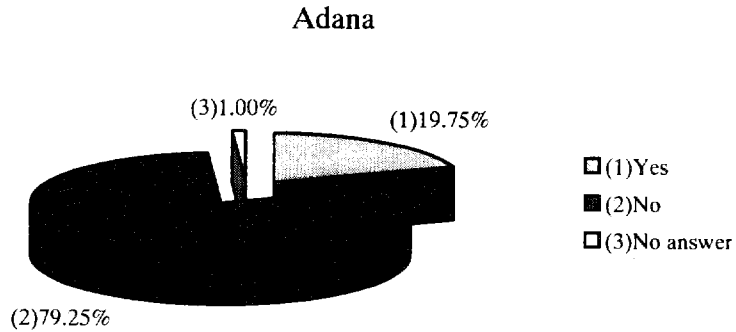
Of the surveyed residents, 69.25% in Adana and 55.25% in Mersin said they sweep the area in front of their houses everyday or sometimes. Many of the residents in both greater municipalities voluntarily clean public facilities.

**Q.4.8 Which of the following matters do you rate as the most pressing problem of the community?**



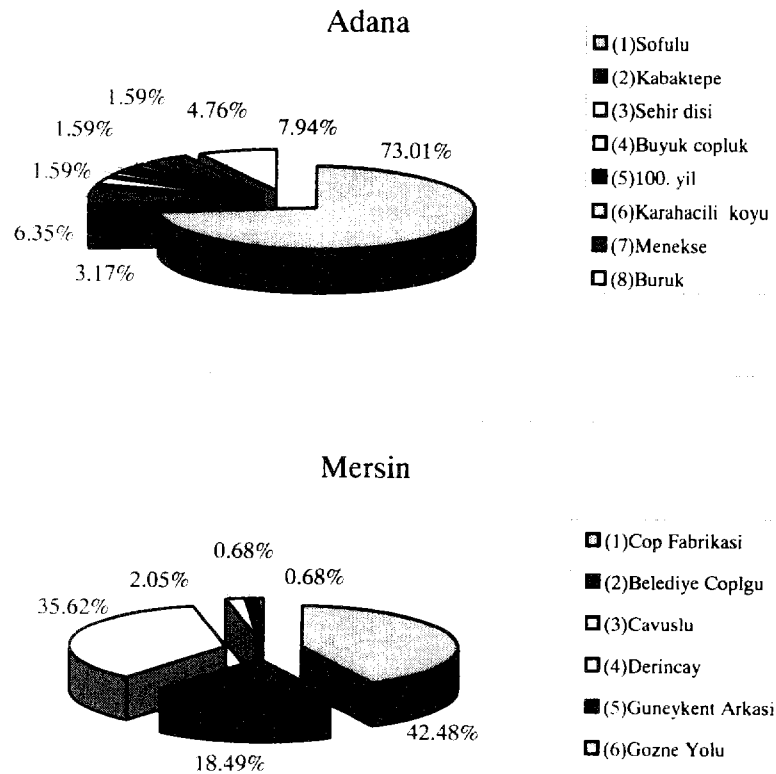
Residents in both greater municipalities point out pest problems as the most pressing (22.50% in Adana and 40.48% in Mersin: 31.47% on average). Around 11.00% in both Adana and Mersin considered waste collection as the most pressing problem. This being the case, waste collection is considered as the third most pressing problem in both greater municipalities. Water supply is the second most pressing problem in Adana, while in Mersin, it is electricity.

**Q.4.9 After collection, do you know where refuse is brought?**



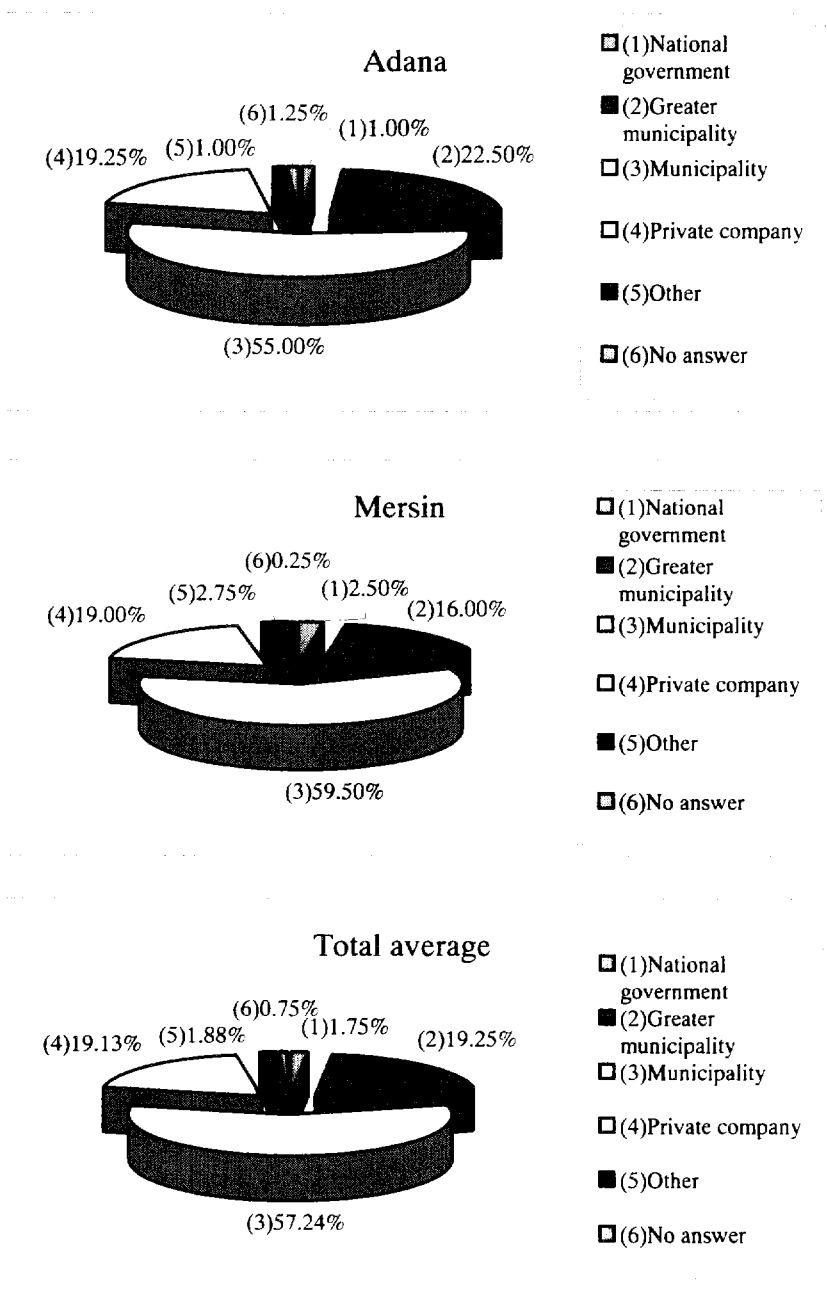
The residents were found to be highly ignorant of waste disposal methods as the number unaware about what happens to the refuse after collection totals 79.25% in Adana and 62.00% in Mersin.

**Q.4.10 If you know where refuse goes, where it is? (Name of places)**



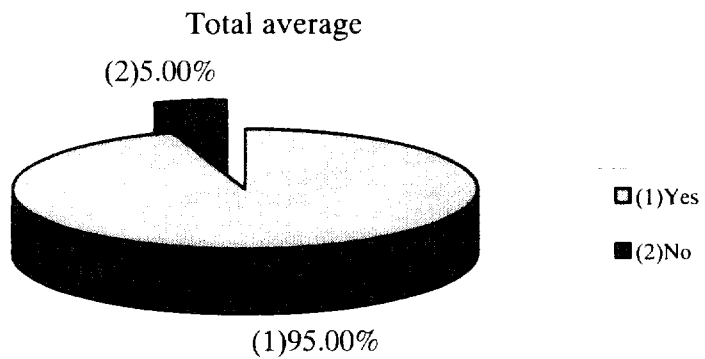
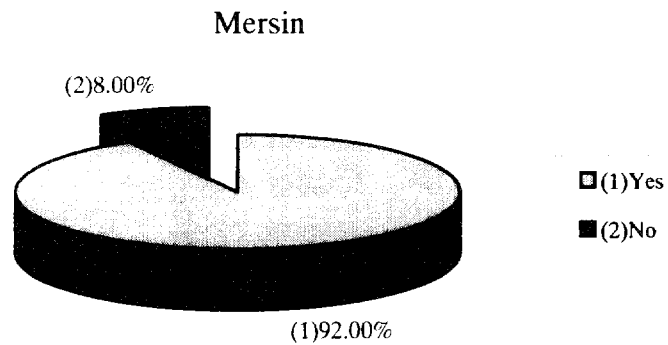
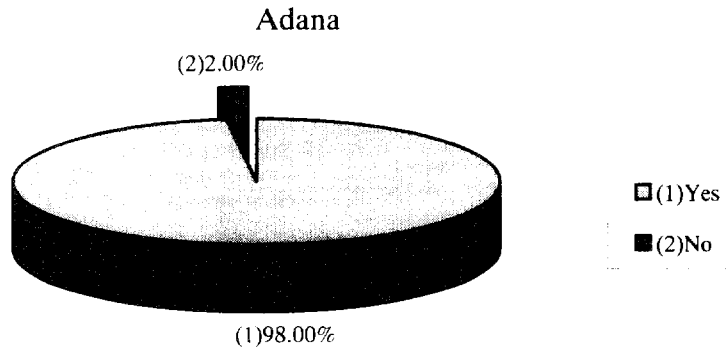
The number of residents who said yes to Q.4.9 totals 63 (19.75%) in Adana and 146 (38.00%) in Mersin. In Adana, 46 of these residents named the disposal site in Sofulu as the final destination of collected wastes, while in Mersin, 53 of these residents pointed out the final disposal site in Cavuslu. As the numbers only correspond to 14.3% and 13.5% of the total number of respondents in Adana and Mersin, the majority of the residents in both greater municipalities are hardly aware of the existence of final disposal sites.

**Q.4.11 Which authority do you understand to be responsible for solid waste management?**



Of the total number of residents surveyed in both greater municipalities, 57.24% refer to the district municipality as being responsible for solid waste management, 19.25% refer to the greater municipalities, and 19.13% refer to private collection companies.

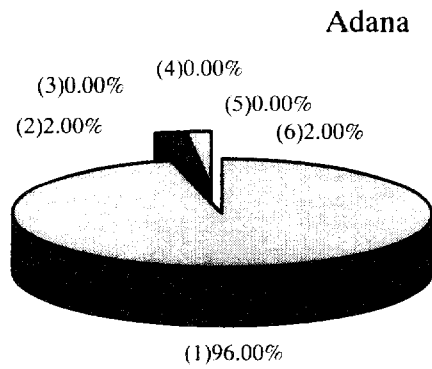
### Q.1.1 Do you have refuse collection services?



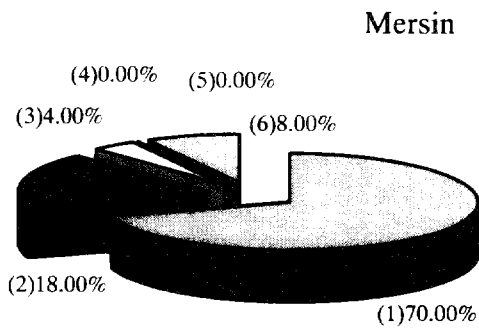
Of the total number of surveyed enterprises, 95.00% (98.00% in Adana, 92.00% in Mersin) replied they receive the services. Almost all of the entire study area is covered by some type of collection service.



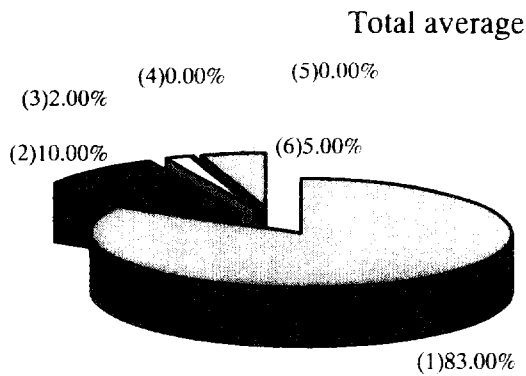
**Q.1.2 Refuse is collected by?**



- (1) Municipality
- (2) Private contractor
- (3) Municipality contractor
- (4) Push cart
- (5) Other
- (6) No answer



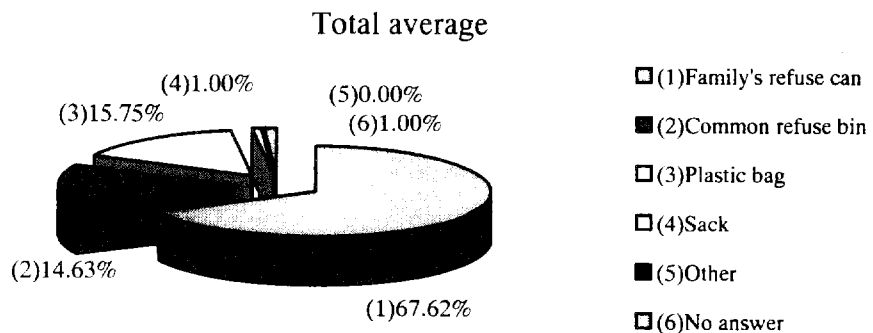
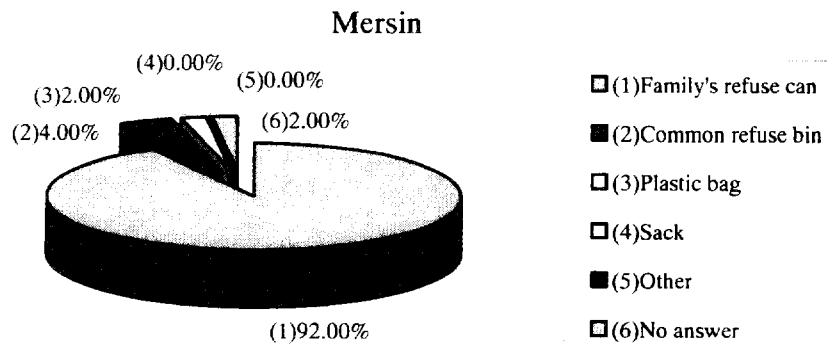
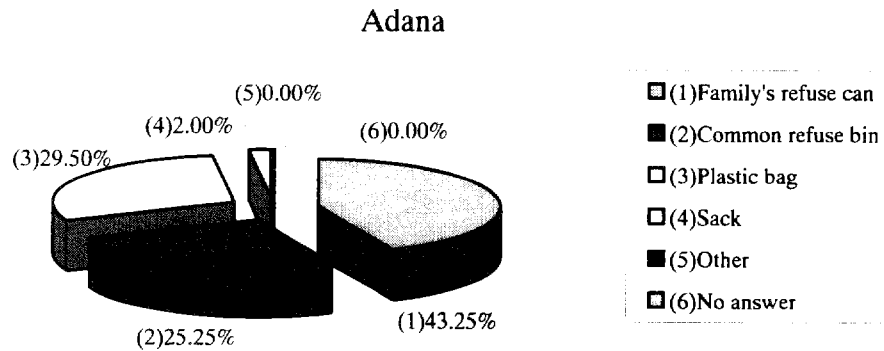
- (1) Municipality
- (2) Private contractor
- (3) Municipality contractor
- (4) Push cart
- (5) Other
- (6) No answer



- (1) Municipality
- (2) Private contractor
- (3) Municipality contractor
- (4) Push cart
- (5) Other
- (6) No answer

The majority of the enterprises in Adana and Mersin, 96.00% and 70.00% respectively, said they receive municipal collection services.

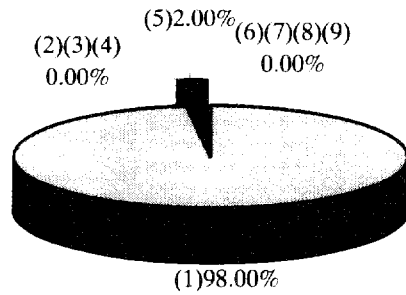
**Q.1.3 Refuse is stored for collection in?**



The enterprises in Adana were found to use different kinds of containers for waste storage. While 43.25% use family's refuse cans, 29.50% use plastic bags and 25.25% use common refuse bins. On the other hand, more than 90% use family's refuse cans in Mersin.

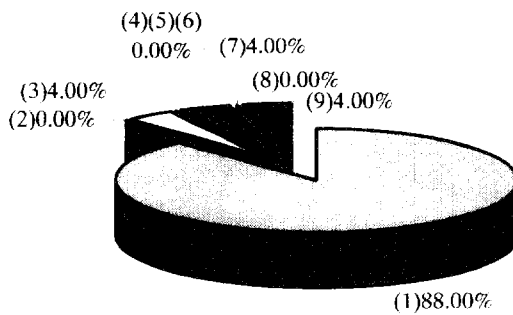
### Q.1.4 Frequency of refuse collection

Adana



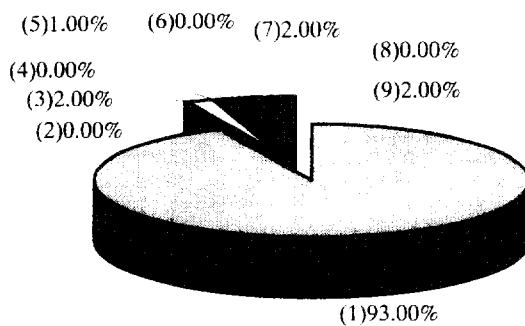
- (1) Everyday
- (2) 5 to 6 days a week
- (3) 3 to 4 days a week
- (4) Twice a week
- (5) Once a week
- (6) Once in two weeks
- (7) No fixed schedule
- (8) Other
- (9) No answer

Mersin



- (1) Everyday
- (2) 5 to 6 days a week
- (3) 3 to 4 days a week
- (4) Twice a week
- (5) Once a week
- (6) Once in two weeks
- (7) No fixed schedule
- (8) Other
- (9) No answer

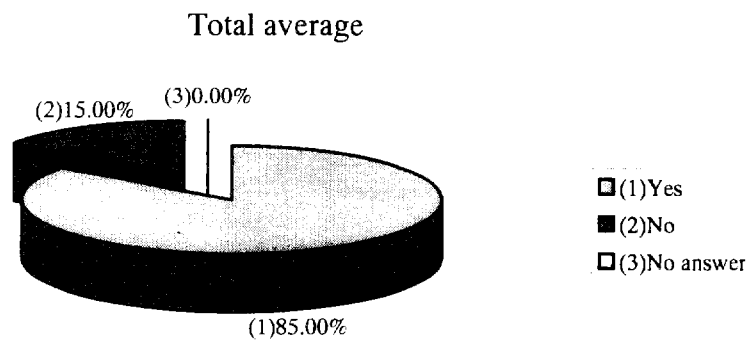
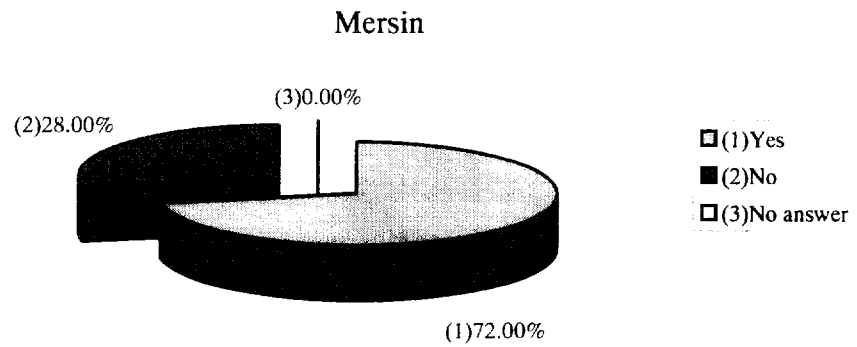
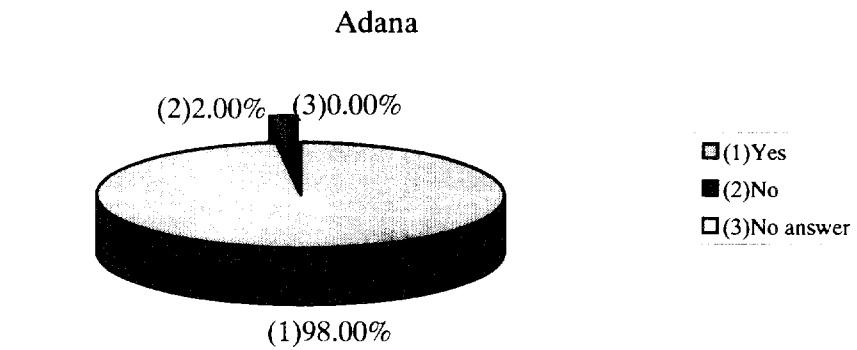
Total average



- (1) Everyday
- (2) 5 to 6 days a week
- (3) 3 to 4 days a week
- (4) Twice a week
- (5) Once a week
- (6) Once in two weeks
- (7) No fixed schedule
- (8) Other
- (9) No answer

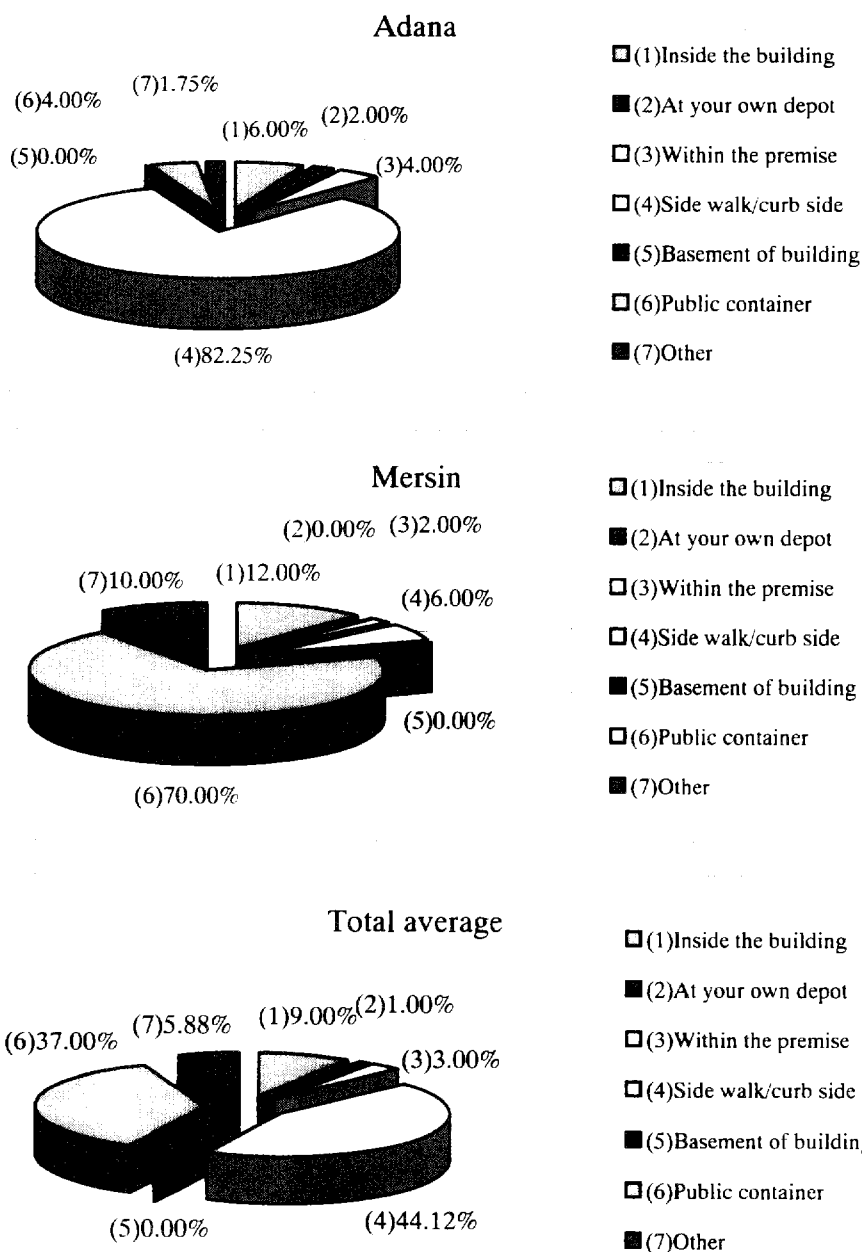
Most enterprises in Adana and Mersin (98.00% and 88.00%) said they receive daily collection services.

**Q.1.5 Is your refuse collected at a fixed day and time?**



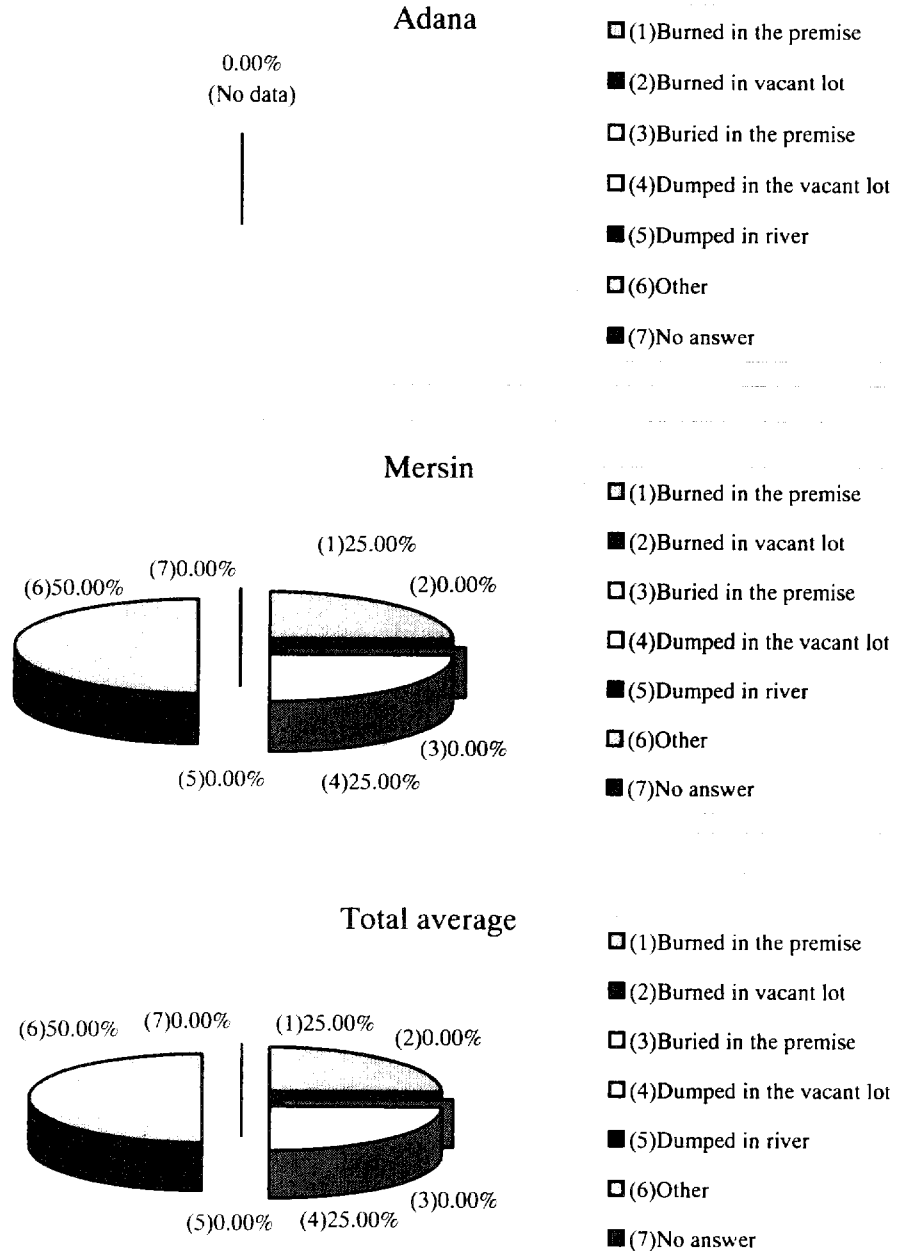
The percentage of enterprises receiving fixed collection services is 98.00% in Adana and 72.00% in Mersin. Collection services in both greater municipalities are regularly carried out.

**Q.1.6 Refuse is collected at?**



In Adana, 82.25% of the enterprises discharge their waste on side walks or curbs. It can be said, therefore, that curb-side collection is the collection system mainly adopted in Adana. On the one hand, public container collection is more widespread in Mersin, where 70.00% of the enterprises said they use public containers.

**Q.1.7 If no to Q.1.1, how do you dispose your refuse?**



The enterprises surveyed in Adana did not reply to this question because almost all said they receive collection services in answer to Q.1.1. 8.00% of the enterprises surveyed in Mersin that answered they do not receive the services in Q.1.1 said that they do self-disposal practices such as burning in the premises (25.00%) or dumping in vacant lots (25.00%).

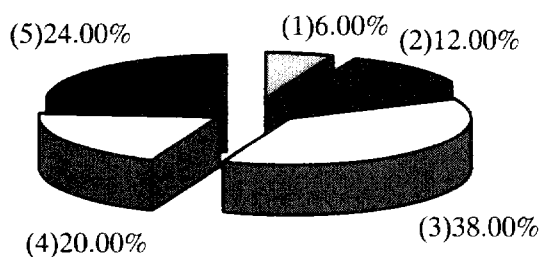
**Q.1.8 If public container is used, how far is it from your house?**

**Adana**

0.00%  
(No data)

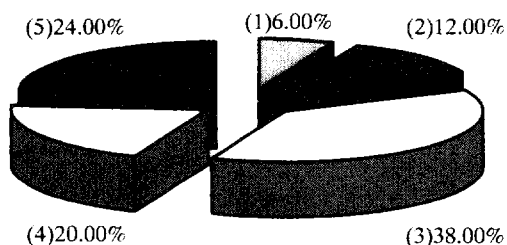
- (1) Front/back of the building
- (2) Less than 5m
- (3) Less than 20m
- (4) 20m or more
- (5) No answer

**Mersin**



- (1) Front/back of the building
- (2) Less than 5m
- (3) Less than 20m
- (4) 20m or more
- (5) No answer

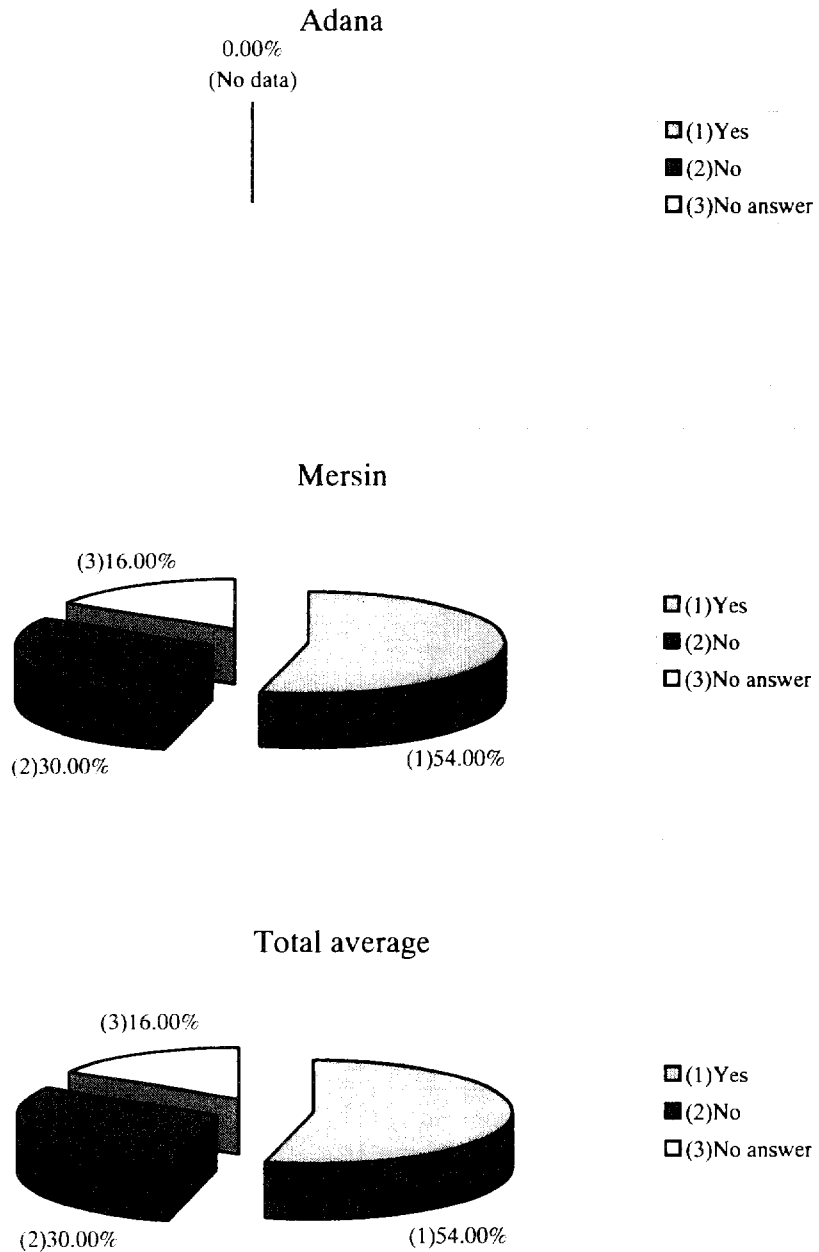
**Total average**



- (1) Front/back of the building
- (2) Less than 5m
- (3) Less than 20m
- (4) 20m or more
- (5) No answer

Enterprises in Adana skipped this question in relation to their answer to Q.1.6 (the enterprises in Adana hardly use public containers). In Mersin, where public containers are widely used, 56.00% of the enterprises replied that the containers are installed within 20 meters from their houses. It can be said, therefore, that the public container collection system is functioning properly.

**Q.1.9 If public container is used, are you satisfied with this type of collection service?**

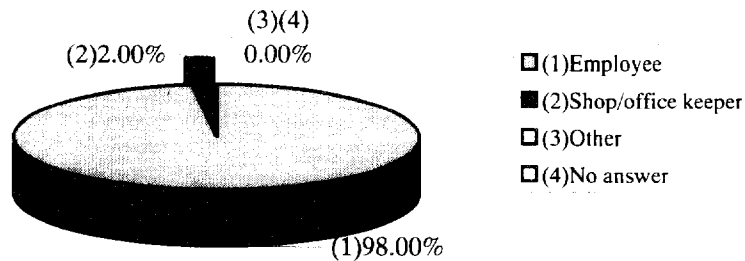


As previously mentioned in Q.1.6, the residents of Adana hardly use public containers. Therefore none of the respondents answered this question. In Mersin, where public containers are widely used, 54.00% of the enterprises expressed satisfaction with the container collection system. This could only mean that the container collection services are efficiently carried out.

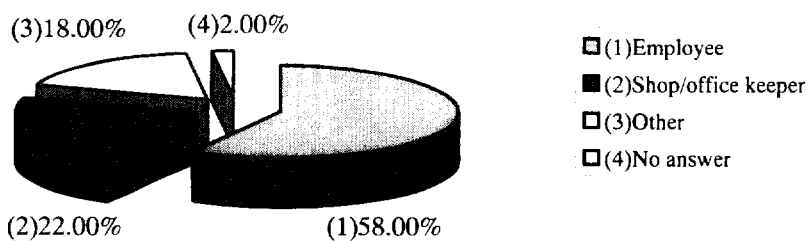


**Q.1.10 Refuse is taken to collection point by?**

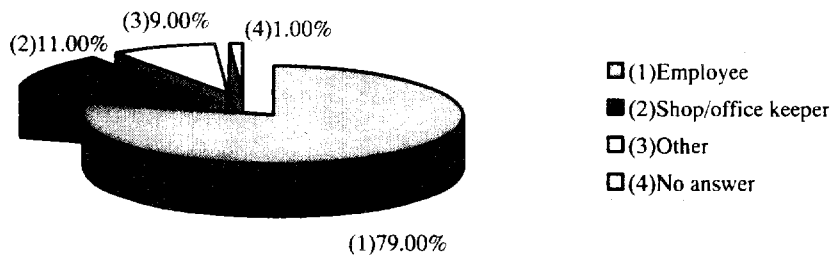
Adana



Mersin

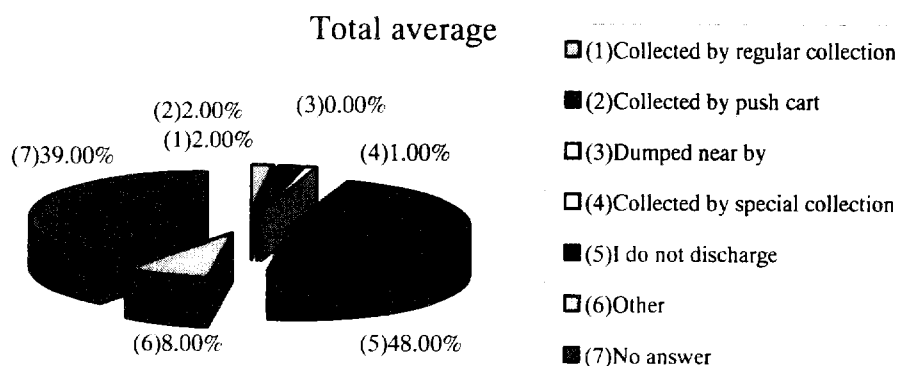
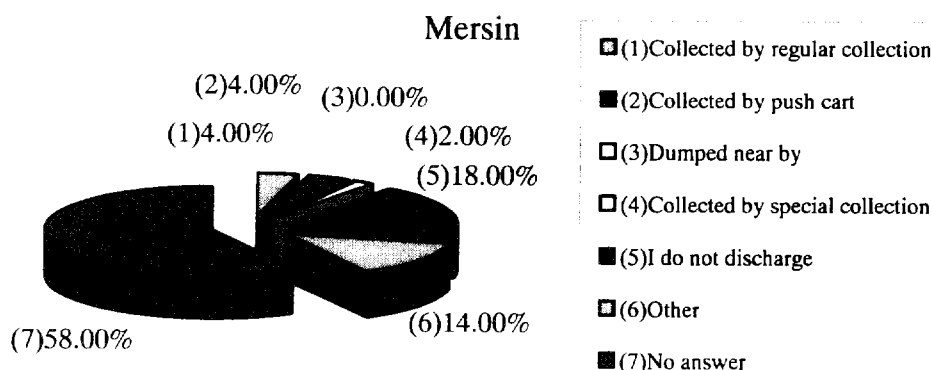
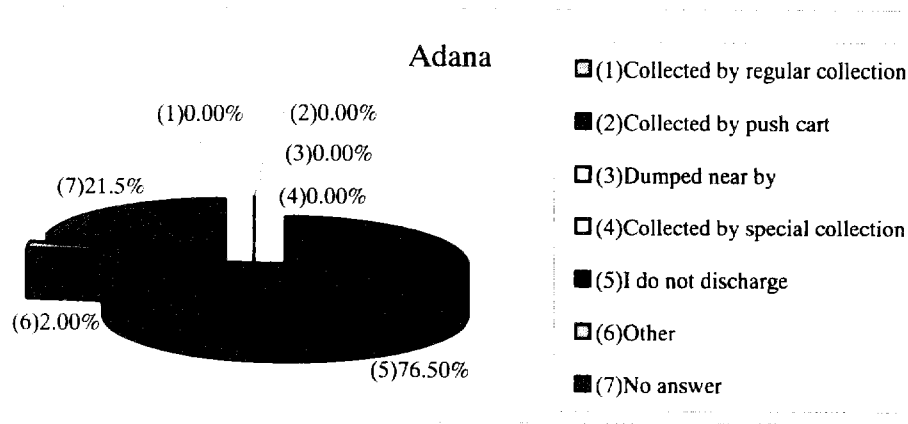


Total average



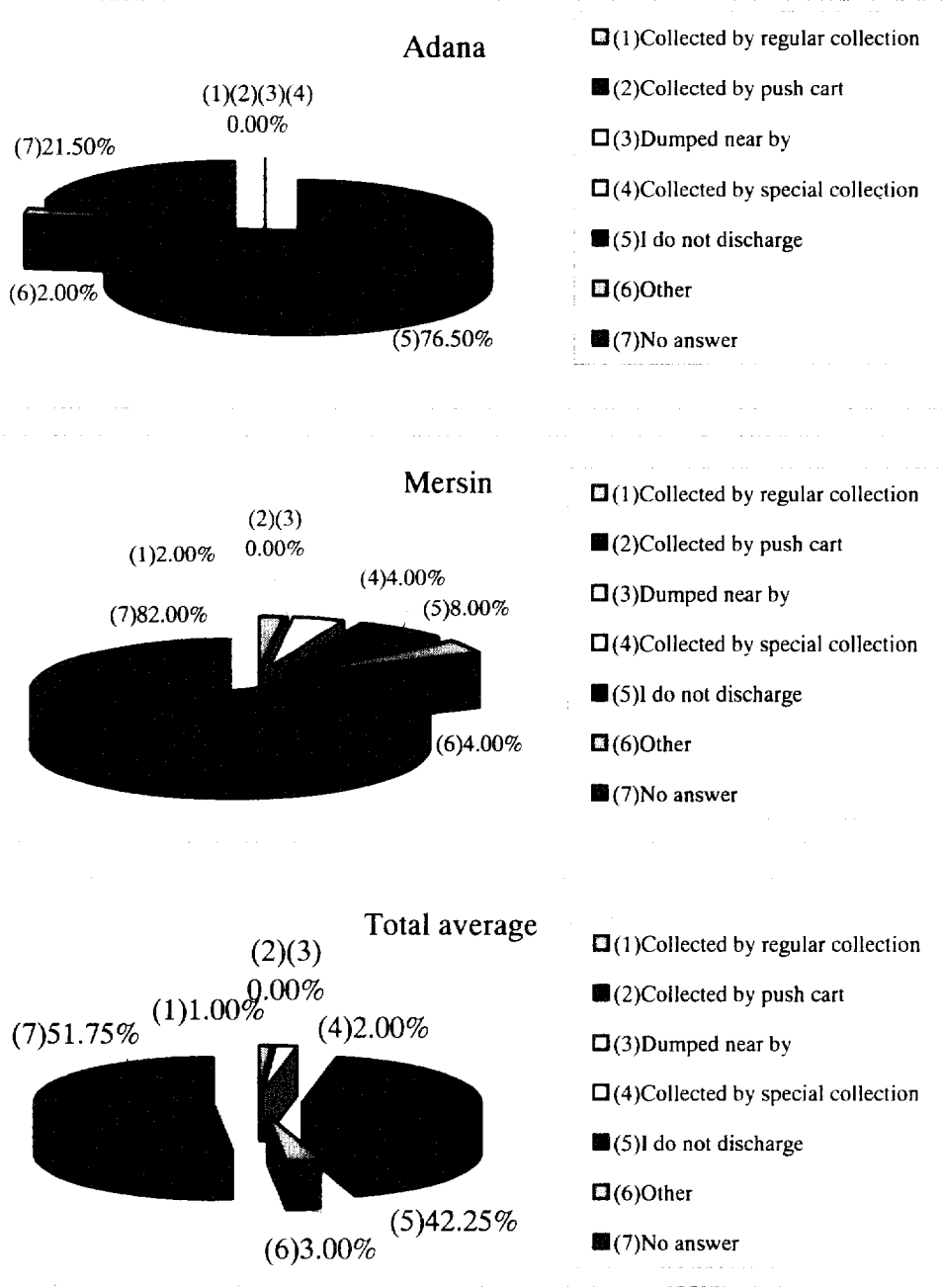
Wastes at most enterprises in Adana are disposed of by an employee. In Mersin where public containers are widely spread, waste are discharged by an employee (58.00%) or a housekeeper (22.00%). To improve waste collection services, guidance should be extended to the employees and/or housekeeper regarding adequate disposal methods and on sanitary issues.

**Q.1.11 How do you discharge bulky waste (furniture, electrical appliances, etc.)?**



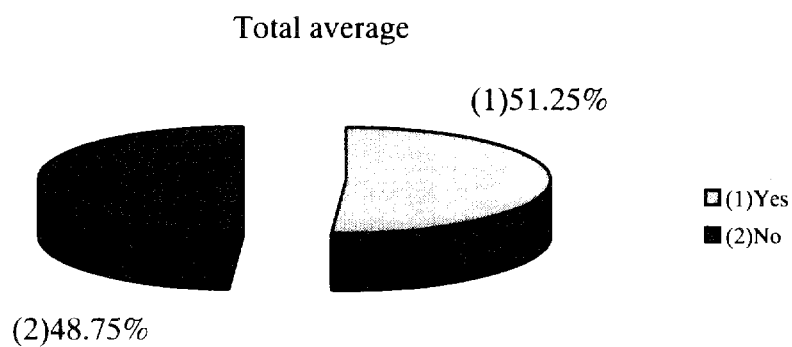
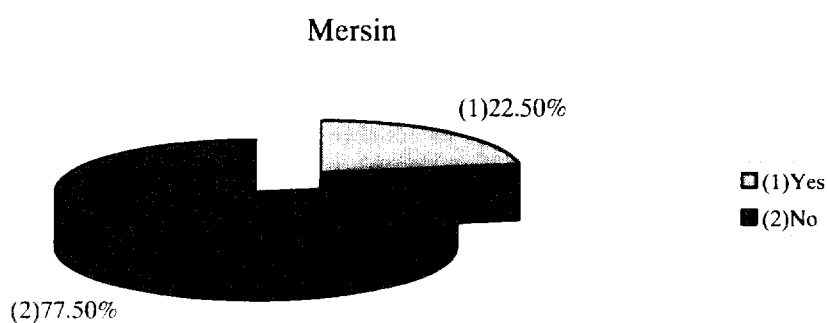
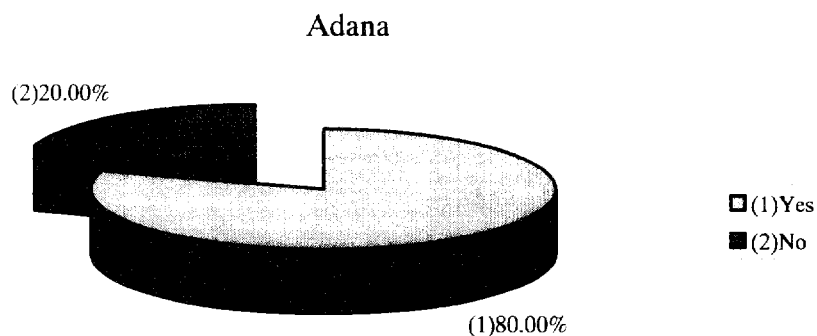
In Adana, a large number of the enterprises (76.50%) said they do not discharge bulky wastes. In Mersin, only 18.00% said they do not dispose of bulky waste. Therefore, 4.00% use push carts, another 4.00% discharge waste during regular collection, and 2.00% answered they dispose waste during special collection services.

**Q.1.12 How do you discharge (or know how to discharge) demolition debris?**



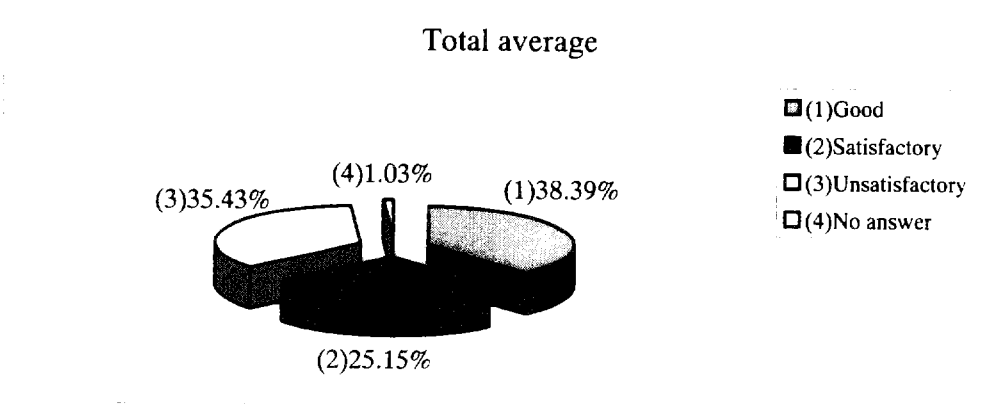
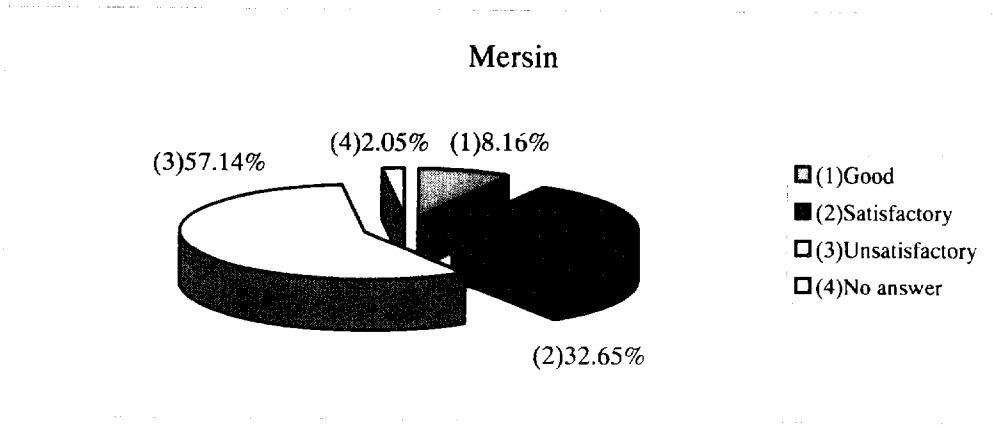
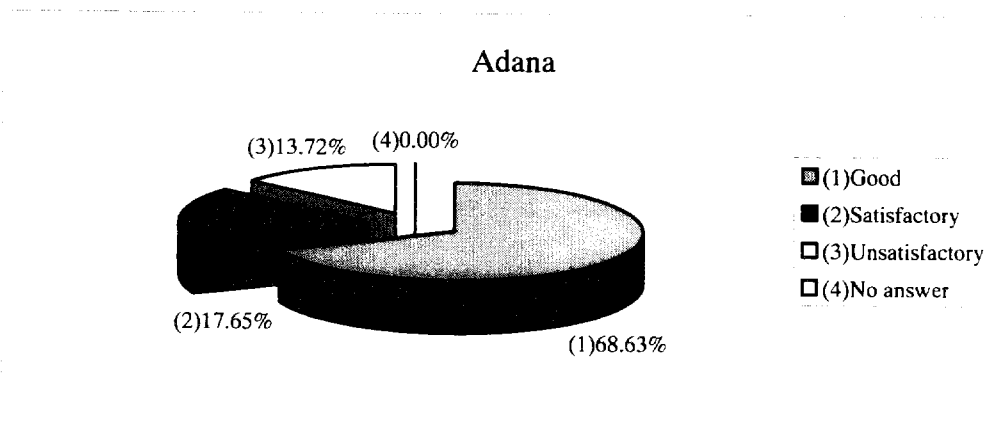
In Adana a large number of enterprises (76.50%) said they do not discharge construction debris. In Mersin 4.00% dispose of demolition debris using special collection services and 2.00% during regular collection services for household waste.

**Q.1.13 How do you discharge garden waste (fallen leaves, branches, grass, etc.)?**



80.00% of the surveyed enterprises in Adana said they discharge garden waste. In Mersin, 77.50% of the enterprises said that they do not discharge garden wastes. This may be attributed to the difference in building structure in both greater municipalities.

**Q.1.14 How do you rate the present refuse collection?**



Of the enterprises surveyed in Adana, 86.28% expressed satisfaction with the current collection services, while in Mersin, 40.81% showed satisfaction and 57.14% dissatisfaction.