

# To Access Solid Waste Management Practices In Urban Areas The Case Study Of ilala Dar Es Salaam

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**Abstract** - This research was conducted in dar es salaam at the ilala municipal and the reason why ilala was selected as our case study first because it was among the municipals in Tanzania with great urbanization but also this urbanization has brought a lot of impacts most especially in solid waste management.

The main three objective was first to identify the solid waste management in ilala municipal but also identify challenges that face solid waste management in ilala and lastly come up with different recommendations on how to solve this challenges in ilala municipal.

The responsibility of solid waste management is not supposed to be left for one person or the municipal council it should be taken serious by each and everyone since every human being who breath on this earth produces waste in so many different ways and hence we should handle it all.

**Key words; waste, waste management, solid waste, solid waste management, municipal**

## 1.1 Background information

Solid waste management becomes the biggest problem in Ilala and has also brought a lot of impacts most especially when it comes to people health. Tanzania which is one among the East African countries, it is the fifth leading country in population in Africa with total population of 41 million people. Tanzania is also one among the countries world wide which are faced with solid waste management challenges. And most of the time its in urban areas because they are the areas which experience different human activities such as industry, mining and other stuffs.

Ilala municipal its one among the municipals in Dar es salaam city with high population but with also a lot of human activities going on there.

## 1.2 Statement of the problem

Currently, urbanization in most of Tanzania cities is a very big problem and hence due to the growth of number of people it leads to expansion of cities which attract different activities which lead to increase of solid waste management.

## 1.3 Objectives of the study

- 1- To identify sources of waste in Ilala Municipal
- 2-To examine problems and effects of waste in ilala municipal
- 3-To come up with different strategies on how to reduce the rate of solid waste in ilala municipal.

## 1.4 Significance of the study

Through this research people we get an idea and completely help on how to manage solid waste management not only in Ilala but the whole Tanzania and maybe even other developing countries which are faced and affected by solid waste management.

Through the government and other stakeholders will be able to widen their knowledge on solid waste management and by widen their knowledge it will be easy to reach other people like local people with little understanding.

## 2.LITERATURE REVIEW

Apart from climate which is the hot cake right now, solid waste management has attracted different people including government officials, experts and environmentalist and even normal people .

Solid waste rate of Ilala

Dar es salaam can produce 4,600 of tones of waste per day and ilala producing 1,088 tones per day and only 600 tones are transferred by day leaving a great percent behind. the following table 01 shows the production of solid waste in ilala municipal

## 2.1 Challenges of solid waste collection in ilala

Tanzania just as all developing countries face a very issue to control waste due to the population growth within us, ilala is faced with urbanization people are moving from villages to ilala in search of opportunities to boost their economic status without knowing the movement from their places affects a lot ilala most especially in production of waste.

And hence the biggest challenge is population growth but also they are no strict rules guiding disposal of waste in ilala

municipal making everyone to just disposal waste in any place their want to without considering the site effects of it.

**Figure 01;**ilala municipal waste situation



**Figure 03;** waste collection in ilala

**2.3 Current ways of solving waste management in ilala**

The main way used in ilala district is to throw the waste in different places located by the government then the municipal cars will come and collect them for disposal thou not everyone does adhere to this some throw the waste in any place they wish to throw to with thinking on the impacts. of business or their economic activity.



**Figure 02;** burning of waste in ilala

**2.4 Advantage of this method**

Thou this methods still have not managed to control the amount of solid in ilala but yes at least there is a percent that is saved by collecting these waste and burning them .it helps in saving the land ,by burning it means people will keep using the same area each and time to disposal their waste rather than shifting each and every time.

But also this method help to kill germs and bacteria through burning (incineration) of waste it helps to get rid of different gems and bacteria but also avoid some bad smell from the waste.but also it easy to avoid contamination with water especially ground water.

**2.5 Disadvantage of this method**

This method has proven to have a lot of weakness more than strength and the biggest obstacle you cant be burning this waste every where ,you must have a specific area to do the burning but also you can likely be affected but weather when it raining season you cant be burning waste because of the weather. But also it pollutes the environment through the smokes produced and sometimes the smoke can even affect people health in different ways.

The ash left can have high impact on people because sometimes it can contain poison which can affect people,micro organism and even plants

Waste component	(%)
Kitchen waste	39
grass	10
papers	8
Ceramic and stone	6
metals	5
plastics	16
glass	2
Leather and rubber	6
textiles	5
others	3
Total	100

**Table 1,** solid waste distribution in ilala

**3.0 METHODOLOGY**

**Study area**

Ilala is among the three municipals of Dar es salaam. It has a population of about 1,220,611 according to 2012 census with an area of 365 kilometers square. It is divided into three divisions and around 26 wards. It has the biggest and most famous market in Tanzania known as “KARIAKOO MARKET” which attracts not only natives but even tourist making the area to experience population growth every day and also due to market activities it makes the place to be vulnerable to waste in every area.

#### 4.0 Data collection and analysis

Data were got by going through different literature reviews which have been done on waste management in Tanzania specifically ilala municipal. the essence of the research is to find out the challenges and come out with solutions to the challenges.

#### 5.0 Results and Discussions

For quite a time now solid waste has become a very big issue and this is due every person who breath to one way or another produces waste in so many different ways, ilala municipal is faced by so many challenges when it comes to waste and the biggest is challenge is population growth, for the past five years ilala municipal is the most leading municipal not only in dar es salaam but the whole Tanzania when it comes to population growth, as the population increases the municipal council celebrates the taxes that they get from different business without coming out with different strategies on how to control different production of waste.

Another big challenge is low investment in solid waste management this including there are no enough cars for collecting waste not only cars no enough dust bins and no enough specific places of collecting this waste this makes people to just throw rubbish everywhere they want to throw increasing the rate of waste in every place

But also people lack knowledge on how to handle waste most especially this small business people who did not go to school and they only deal with business but there people with education but they are selfish they only target in making money with their daily economic activities.

Absence of organized and recycling activities is also another huge challenge facing solid waste management in ilala municipal, there some of the waste that can be recycled with the like of plastic, metals but all they do is they burn which sometimes when burnt they only bring impacts most especially on public health.

#### 6.0 CONCLUSION AND RECOMMENDATIONS

##### 6.1 Conclusion

A society with solid waste is impossible but a society with well solid waste management is so possible if all the people choose to cooperate and work together in reducing solid waste in their places. There are so many places worldwide which benefit from the waste they produce even waste from toilets can produce energy it all depends on how you have organized yourself to solve the issue of waste. Over time now solid waste has become a hectic issue to most of developing countries even other developed countries still they have an issue of poor waste disposal, though as said early's country or place with good solid waste management is so possible and

this has nothing to do with a country being developed or not being developed for example a good example is Arusha and Kilimanjaro in Tanzania they are from developing countries but they are all clean well managed and people are aware and ready to keep making their cities more clean and attracting at any cost and the government is always there to support their hard works.

##### 6.2 Recommendations

Positive impacts are likely to occur from waste rather than negative impacts if we only come up with different good strategies and ideas and cooperate together to make them work without regarding this work is for this person or this work is for someone else. The following are the recommendations on what to be done to have a strong and successful solid waste management in ilala municipal

1-Creation of primary collection groups; it is high time that we create groups of people who will be collecting waste in different places to go and dispose them in the selected areas.

2-investing in small local technology where we can make plastic beneficial and not to burn them like Cutting university uses plastic to produce building tiles the same thing can be applied in Tanzania.

3-formulation and implementation of strong rules accompanied with fines to whoever violates the created rules regarding the environment.

4-creation and awareness giving to people most especially this small entrepreneurs around ilala municipal so that they can be aware of the positive side of managing waste in the environment.

5-participation and involvement of different stakeholders in solid waste management and hence maybe some could even donate their time and funds in the process rather than leaving the responsibility to the municipal all alone.

6-Building and constructing specific areas to throw waste in different areas to avoid people moving a very long distance to look for places to dispose waste.

7-Buying and investing in tools responsible in collecting waste like big cars, big dust bins and gloves.

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