Air Quality Monitoring Station from 5 Area

air Quality Data

Medical record

From 5 PUSKESMAS

Athma Patien Data

2017 2018

Menampilkan data mengguanakn RStudio

Notes:

1. Tanya Bu Ndit Pengolahan data udara

2. Check paramaeter yang dihapus dalam data puskesmas

3. Perubahan Data harus jelas (chek data puskesmas awal)

4. Buat 2 jalur antara udara dan puskesmas hingga proses merging

5. data merging dipindah ke bawah

6. membuat data puskesmas dari 2017

7. gabungkan dengan data udara

8. pelajari lagi shape untuk setiap proses

Cleaning Data Excel

Formatting Data

Data merging/Joining

Menggabungkan Data

Data PKM

Data Udara

Berdasarkan tanggal dan Lokasi

Checking

Cleaning

Data Set

Figure 1. Data Extraction and Cleaning Process

\*PUSKESMAS: Pusat Kesehatan Masyarakat (Community Health Center)

Formatting Data

With R Studio

(add new parameter: ID, CSex, Cage, CPKM, DC)

Asthma Patient Data 2017-2018

Data Join

(from 5 Doc into 1 doc)

With RStudio

Raw Data Set

(12 Variables & 6844 Observation)

1: Cleaning

Medical Record From 5 PUSKEMAS\*

Air Quality Monitoring Stations

(5 Area)

Data Set with Selected Variables

(5 Variables)

From 5 PKM

Data Join

(from 5 Doc into 1 doc)

With RStudio

Air Quality Data 2017-2018

Formatting Data

With R Studio

(add new parameter: SCODE, CPKM, DC)

Data Set

Asthma Patient Data and Air Quality

Formatting and Cleaning

Asthma & Air Quality

By DC in Full Join

Checking

Asthma & Air Quality

By DC in Full Join

Data Join

Asthma & Air Quality

By DC in Full Join

Air Quality Data 2017-2018

(No, Date, PM10, No, No2,

Asthma Patient Data 2017-2018

(No, Sex, Date, Age, DOB, PKM, ID, CSex, CAge, CPKM, DC)

Tambahkan N untuk setiap PKM

Senen (Jumlah)sampai semua PKM

Nama file langsung mencantumkan jumlah