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**Algorithm 1** Read Process {API}

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1: function READ(key)
2:
3: Input:   key  $\rightarrow$  String format key
4: Output: Status  $\rightarrow$  Status of operation
5: procedure
6:   item  $\leftarrow$  new Item()
7:   item.setKey(key)
8:   item  $\leftarrow$  metadb.readMeta(item)
9:   sb  $\leftarrow$  new StringBuilder()
10:
11:   //Reading blocks part
12:   if (using_one_sub_db) then
13:     for (i  $\leftarrow$  0; i < bCOUNTER; i++) do
14:       blocks  $\leftarrow$  blocksdb.readAll(TABLES[i], item)
15:       for (Item block : blocks) do
16:         sb.append(block.getValue())
17:   else
18:     mblocks  $\leftarrow$  mdb.readAll(TABLES[0], item)
19:     for (Item mblock : blocks) do
20:       sb.append(block.getValue())
21:
22:     bblocks  $\leftarrow$  bdb.readAll(TABLES[1], item)
23:     for (Item bblock : blocks) do
24:       sb.append(block.getValue())
25:
26:     tblocks  $\leftarrow$  tdb.readAll(TABLES[2], item)
27:     for (Item tblock : blocks) do
28:       sb.append(block.getValue())
29:
30:   status.setValue(sb.toString())
31:   status.setStatus(OK)
32:   return status
```

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