ANTARA Data Stream Format

Informasi Koneksi

Data dikirim melalui TCP port 9000

Format Data

Format data secara umum:

```
ANTR|data type|data detail
```

Data type:
- 1 = trade
- 2 = stock summary
- 3 = order book (best bid)
- 4 = order book (best offer)
- 5 = top gainer
- 6 = top loser
- 7 = most active
- 8 = resending trade (EOD) → data lengkap termasuk broker buyer-seller
- 9 = index
- A = stock data
- B = broker data
- C = Order book summary

Trade (1)

- **Format Data**

    ```
    ANTR|1|trade date|trade time|security code|board code|trade
    no|price|volume
    ```

    Keterangan:
    a. **Trade date**: tanggal transaksi, format YYMMDDDD
    b. **Trade time**: jam transaksi, format HHMMSS
    c. Security code
    d. Board code
    e. Trade no
    f. Price
    g. Volume

- **Contoh Data**

    ```
    ANTR|1|20220628|090446|TOYS|RG|000000792220|153.00|44900
    ANTR|1|20220628|090446|MPOW|RG|000000792221|144.00|100
    ANTR|1|20220628|090446|ELSA|RG|000000792222|306.00|600
    ANTR|1|20220628|090446|MPOW|RG|000000792223|144.00|20000
    ```

```
ANTR|1|20220628|090446|MPOW|RG|000000792224|144.00|100
```

Stock Summary (2)

- ● Format Data

```
ANTR|2|data date|data time|security code|board code|opening
price|highest price|lowest proce|close price|trade volume|trade
value|trade frequency|previous price
```

Keterangan:
a. **Data date**: tanggal transaksi, format YYMMDDDD
b. **Date time**: jam transaksi, format HHMMSS
c. Security code
d. Board code
e. Opening price
f. Highest price
g. Lowest price
h. Close price: close/last price
i. Trade volume
j. Trade value
k. Trade frequency
l. Previous price

- ● Contoh Data

```
ANTR|2|20220808|145829|ICBP|NG|8800.0|8800.0|8762.0|8792.0|417112300
|3664010085000|25|8792.0
ANTR|2|20220808|144959|AGRO|RG|855.0|865.0|835.0|850.0|23903900|2014
9292000|3559|850.0
ANTR|2|20220808|144955|AGRS|RG|119.0|127.0|119.0|123.0|20248900|2513
859800|1082|123.0
```

Order Book (3 & 4)

- ● Format Data

Format data best bid:
```
ANTR|3|security code|{0}frequnecy #1;price #1;volume #1|frequnecy
#2;price #2;volume #2|...|frequnecy #n;price #n;volume #n
```

Format data best offer:
```
ANTR|4|security code|{1}frequnecy #1;price #1;volume #1|frequnecy
#2;price #2;volume #2|...|frequnecy #n;price #n;volume #n
```

Keterangan:
a. Security code
b. Frequency #1: jumlah antrian level 1
c. Price #1: harga best bid/offer level 1
d. Volume #1: jumlah best bid/offer level 1

- Contoh Data

```
ANTR|3|TPIA|{0}1;8425;25|1;8450;29|3;8475;45|1;8500;15|2;8525;23|5;8
550;64|2;8575;10|3;8600;31|3;8625;36|2;8650;46|
ANTR|4|TLKM|{1}1;4090;7|1;4100;4|1;4110;214|2;4120;22|1;4200;6|1;423
0;250|1;4290;50|1;4500;25|
```

Top Gainer (5)

- Catatan
  - Penentuan top gainer berdasarkan persentase change price terhadap harga sebelumnya (percent change)
  - Data kirim setiap menit antara jam 09.00 sampai dengan jam 17.00
- Format Data

```
ANTR|5|security code #1|security code #2|security code
#3|...|security code #10
```

Keterangan:
  a. Security code #1
  b. Security code #2
  c. Security code #10

- Contoh Data

```
ANTR|5|RICY|NZIA|XSSI|WAPO|PALM|IGAR|TRGU|HOPE|BEBS|XBES|
```

Top Loser (6)

- Catatan
  - Penentuan top loser berdasarkan persentase change price terhadap harga sebelumnya (percent change)
  - Data kirim setiap menit antara jam 09.00 sampai dengan jam 17.00
- Format Data

```
ANTR|6|security code #1|security code #2|security code
#3|...|security code #10
```

Keterangan:
  a. Security code #1
  b. Security code #2
  c. Security code #10

- Contoh Data

```
ANTR|6|UVCR|ADCP|ASHA|BEBS|BESS|PBSA|BELL|JAWA|SLIS|PNSE|
```

Most Actives (7)

- Format Data

```
ANTR|7|security code #1|security code #2|security code
#3|...|security code #10
```

Keterangan:
  a. Security code #1
  b. Security code #2
  c. Security code #10

- Contoh Data

```
ANTR|7|CHEM|GOTO|RICY|BUMI|BIMA|GZCO|INDY|RAJA|IPPE|WINR|
```

Resending Trade EOD (8)

- Format Data

```
ANTR|8|trade number|session|board code|seller broker code|seller
investor type|buyer broker code|buyer investor type|security
code|quantity|price|trade date|seller order number|buyer order
number|trade time
```

Keterangan:
  a. Trade number
  b. Session: 1,2
  c. Board: Equity RG, TN, NG Derivative RO, RF
  d. Seller broker code
  e. Seller investor type: I , A, S, F
  f. Buyer broker code
  g. Buyer investor type: I, A, S, F
  h. Security code
  i. Quantity
  j. Price
  k. Trade date (YYYY-MM-DD)
  l. Seller order number
  m. Buyer order number
  n. Trade time (HHMMSS)

I - Indonesia = Individual local, A - Asing = Individual Foreign, S - Sendiri =
Institutional Local, dan F - Foreign = Institutional Foreign

- Contoh Data

```
ANTR|8|1|1|RG|KK|I|GR|I|WIKA|200|930|2022-07-05|26582|23555|085900
```

Index (9)

- Format Data

```
ANTR|9|index code|date|time|last index|prev index|open index|high
index|low index|change|change
rate|freq|volume(LOTS)|value|up|down|unchange|no transaction|market
value
```

Keterangan:
    a. Index code
    b. Date
    c. Time
    d. last index
    e. prev index
    f. open index
    g. high index
    h. low index
    i. Change
    j. change rate
    k. Freq
    l. volume(LOTS)
    m. Value
    n. Up
    o. Down
    p. Unchange
    q. no transaction
    r. market value

- Contoh Data

```
ANTR|9|COMPOSITE|20220808|144907|7072075.0|7084655.0|7084655.0|71008
08.0|7050824.0|-12580.0|-
177.0|1255056|2462189918|1.443457327369E14|226|279|183|95|9.23860357
60028400
ANTR|9|DBX|20220808|144907|2002872.0|2017126.0|2017126.0|2027445.0|2
000265.0|-14254.0|-
706.0|547321|827899121|2.94266694563E13|99|157|95|82|1.6088052502883
9200
ANTR|9|ESGQKEHATI|20220808|144907|133227.0|132763.0|132763.0|133402.
0|132478.0|464.0|349.0|186363|29390001|1.15146988976E13|27|13|5|0|45
3228751848303400
```

Stock Data (A)

- Format Data

```
ANTR|A|security code|security name|security status|security type|sub
industry|ipo price|base price|listed shares|tradable listed
shares|shares per lot|remarks|security remarks2|weight
```

- Contoh Data

```
ANTR|A|AALI|Astra Agro Lestari
Tbk.|0|ORDI|0046|15.00|00000000000.00|00001924688333|00001924688333|
1||--M-18APM16000D232------------           |00000000000000
ANTR|A|ABBA|Mahaka Media
Tbk.|0|ORDI|0072|1.00|00000000000.00|00003935892857|00003935892857|1
||--U-2105000000E614------------           |00000000000000
ANTR|A|ABDA|Asuransi Bina Dana Arta
Tbk.|0|WATCHLIST|0096|38.00|00000000000.00|00000620806680|0000062080
6680|1||--U-2105000000G412----------X|00000000000000
ANTR|A|ABMM|ABM Investama
Tbk.|0|ORDI|0037|37.00|00000000000.00|00002753165000|00002753165000|
1||--M-1175000000C311------------           |00000000000000
ANTR|A|ACES|Ace Hardware Indonesia
Tbk|0|ORDI|0079|8.00|00000000000.00|00017150000000|00017150000000|1|
|--M-187EMD0000E743------------           |00000000000000
```

Broker Data (B)

- Format Data

```
ANTR|B|broker code|broker name|broker status
```

Keterangan:
  a. Broker code
  b. Broker name
  c. Broker status

- Contoh Data

```
ANTR|B|AF|Harita Kencana Sekuritas|0
ANTR|B|AG|Kiwoom Sekuritas Indonesia|0
ANTR|B|AH|Shinhan Sekuritas Indonesia|0
ANTR|B|AI|UOB Kay Hian Sekuritas|0
ANTR|B|AK|UBS Sekuritas Indonesia|0
ANTR|B|AN|Wanteg Sekuritas|0
ANTR|B|AO|ERDIKHA ELIT SEKURITAS|0
```

Order Book Summary (C)

- Format Data

```
ANTR|C|broker code|total bid queue|total bid volume|total offer
queue|total offer volume
```

- Contoh Data

```
ANTR|C|ABMM|203|21560|165|6574
ANTR|C|ADMR|454|33413|607|58087
ANTR|C|ADRO|868|98759|2291|322016
```