## LAPORAN PRAKTIKUM LOGIKA INFORMATIKA



# DISUSUN OLEH: EKO RACHMAT SATRIYO (2100018142) KAMIS 15.00-KELAS C

PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNOLOGI INDUSTRI
UNIVERSITAS AHMAD DAHLAN
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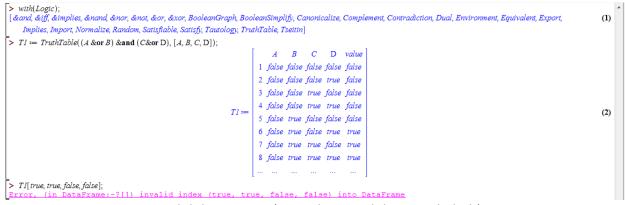
### **PRAKTIK A**

```
> with(Logic);
[&and, &iff, &implies, &nand, &nor, &not, &or, &xor, BooleanGraph, BooleanSimplify, Canonicalize, Complement, Contradiction, Dual, Environment, Equivalent, Export,
                                                                                                                                                                   (1)
    Implies, Import, Normalize, Random, Satisfiable, Satisfy, Tautology, TruthTable, Tseitin]
\vdash T1 := TruthTable(A &or B, [A, B]);
                                                                          1 false false false
                                                                  T1 := 2 false true true
                                                                                                                                                                   (2)
                                                                          3 true false true
                                                                          4 true true true
> T1[true, true];
                                              column index (true) into DataFrame with 3 columns
> T1[true, false];
                                               column index (false) into DataFrame with 3 columns
> T1[false, true];
                                    invalid column index (true) into DataFrame with 3 columns
> T1[false, false];
```

Hasil dokumentasi (mengikuti modul tanpa diubah).

Hasil dokumentasi (versi saya).

### PRAKTIK B



#### Hasil dokumentasi (mengikuti modul tanpa diubah).

```
    > with/Logic);
    [&and, &iff, &implies, &nand, &nor, &not, &or, &xor, BooleanGraph, BooleanSimplify, Canonicalize, Complement, Contradiction, Dual, Environment, Equivalent, Export, Implies, Import, Normalize, Random, Satisfiable, Satisfi; Tautology, TruthTable, Tseittn]
    > T1 := TruthTable((A &or B) &and (C&or D), [A, B, C, D], output = table);
    T1 := table([(false, false, true, true) = false, (true, true, true, false) = true, (false, true, true, false, true, false, true, true, false, true, false, true, false, false, false, true, true, false, true, true, false, true, false, true, false, false, true, false, false, true, false, false, true)
    > T1[true, true, false, false];
    false
    (3)
```

Hasil dokumentasi (versi saya).