DAFTAR PUSTAKA

[1] Barcucci, E.; Belanger, L.; Brlek, S.; 2004. On tribonacci sequences, *Fibonacci Quart.* **42**, 314-319.

[2] Berlekamp, E.R., Conway, J.H., Guy, R.. 2003. Winning ways for your mathematical play. Vol. 1, 2nd Ed.; AK Peters.

[3] Berlekamp, E.R., Conway, J.H., Guy, R.. 2003. Winning ways for your mathematical play. Vol. 3, 2nd Ed.; AK Peters.

[4] Duchêne, E., Rigo, M.. 2008. A Morphic Approach to Combinatorial Games: The tribonacci Case. *RAIRO, Theoretical Informatics and Applications.* **42**: 375-393.

[5] Dunlap, R. A.. 2003. The Golden Ratio and fibonacci Numbers. World Scientific.

[6] Fogg, P, 2002. Substitutions in dynamics, arithmetics and combinatorics, Editor: V. Berthe, S. Ferenczi, C. Mauduit and A. Siegel, *Lect. Notes in Math.* 1794, Springer-Verlag, Berlin.

[7] Fraenkel, A.S.. 1997. Combinatorial Game Theory Foundations Applied to Digraph Kernels, *Electronic J. of Combinatorics*, Vol. **4** (2): 10-17.

[8] Fraenkel, A.S.. 1996. Error-Correcting Codes Derived From Combinatorial Games, Games of no Chance. *MSRI Publication* Volume **29**.

[9] Fraenkel, A. S.. 2004. New games related to old and new sequences. *INTEGERS, Electron. J. of Combinatorial Number Theory,* Vol. 4, paper G06.

[10] Fraenkel, A.S., 1985. Systems of numeration, *Amer. Math. Monthly* **92**: 105-114.

[11] Fraenkel, A.S., Zusman, D.. 2001. A New Heap Games, *Theoret. Comput. Sci.*, **252**: 5-12.

[12] Knott, Ron. fibonacci Numbers and the Golden Section. www.maths.surrey.ac.uk/hosted-sites/R.Knott/fibonacci/ Diakses tanggal 27 Desember 2011.

[13] Long, Andy. fibonacci Nim, www.nku.edu/~longa/classes/2002fall/ mat115/days/day09/newfib.html

[14] The On-Line Encyclopedia of Integer Sequences (0EIS), www.oeis.org. Diakses 2 Nopember 2011.

[15] The On-Line Encyclopedia of Integer Sequences. en.wikipedia.org/wiki/ OnLine_Encyclopedia_of_Integer_Sequences. Diakses 2 Nopember 2011.

[16] Posamentier, A.S., Lehman, I.. 2007. The (Fabulous) fibonacci Numbers. Prometheus Books.

[17] Rigo, M.; Maes, A., 2002. More on generalized automatic sequences, *J. Autom. Lang. Comb.* 7, 351-376.

[18] Sarcone, Gianni A.; NIM History, www.archimedes-lab.org/game_nim/ nim. html. Diakses tanggal 27 Desember 2011

[19] Schumer, P.D.. 2004. Mathematical Journeys. Wiley-Interscience.

[20] Siegel, Anne; Thuswaldner, Jörg M.; 2009. Topological properties of Rauzy fractals, *Mém. Soc. Math. Fr.* (*N.S.*) , no. 118, 140.

LAMPIRAN A.

Kata Tribonacci
(Pendekatan Berhingga)\

Dengan iterasi terhadap morfisma τ di a sebanyak 9 kali, diperoleh subkata dari kata Tribonacci berikut yang panjangnya 274.

$\tau^9(a) =$

```
abacabaabacababacabaabacabacabaabacababacabaabac
abaabacababacabaabacabacabaabacababacabaabacabab
acabaabacabacabaabacababacabaabacabaabacababacab
aabacabacabaabacababacabaabacabacabaabacababacab
aabacabaabacababacabaabacabacabaabacababacabaaba
cababacabaabacabacabaabacababacaba
```

Dengan iterasi terhadap morfisma τ di a sebanyak 10 kali, diperoleh subkata dari kata Tribonacci berikut yang panjangnya 504.

$\tau^{10}(a) =$

```
abacabaabacababacabaabacabacabaabacababacabaaba
cabaabacababacabaabacabacabaabacababacabaabacab
abacabaabacabacabaabacababacabaabacabaabacababa
cabaabacabacabaabacababacabaabacabacabaabacabab
acabaabacabaabacababacabaabacabacabaabacababaca
baabacababacabaabacabacabaabacababacabaabacabaa
bacababacabaabacabacabaabacababacabaabacabaabac
ababacabaabacabacabaabacababacabaabacababacabaa
bacabacabaabacababacabaabacabaabacababacabaabac
abacabaabacababacabaabacabacabaabacababacabaaba
cabaabacababacabaabacabacabaabacab
```

LAMPIRAN B.

148 Posisi-P Awal $(A_n, B_n, C_n)_{n \geq 1}$ Permainan Tribonacci
(Selain Posisi-P [0,0,0])

1.[1, 2, 4];   38.[69, 127, 234];   75.[137, 252, 464];   112.[205, 377, 694]
2.[3, 6, 11];   39.[71, 131, 241];   76.[139, 256, 471];   113.[207, 381, 701]
3.[5, 9, 17];   40.[73, 134, 247];   77.[141, 260, 478];   114.[209, 385, 708]
4.[7, 13, 24];   41.[75, 138, 254];   78.[143, 263, 484];   115.[211, 388, 714]
5.[8, 15, 28];   42.[76, 140, 258];   79.[145, 267, 491];   116.[213, 392, 721]
6.[10, 19, 35];   43.[78, 144, 265];   80.[146, 269, 495];   117.[214, 394, 725]
7.[12, 22, 41];   44.[80, 147, 271];   81.[148, 273, 502];   118.[216, 398, 732]
8.[14, 26, 48];   45.[82, 151, 278];   82.[150, 276, 508];   119.[218, 401, 738]
9.[16, 30, 55];   46.[84, 155, 285];   83.[152, 280, 515];   120.[220, 405, 745]
10.[18, 33, 61];   47.[86, 158, 291];   84.[154, 283, 521];   121.[222, 408, 751]
11.[20, 37, 68];   48.[88, 162, 298];   85.[156, 287, 528];   122.[224, 412, 758]
12.[21, 39, 72];   49.[89, 164, 302];   86.[157, 289, 532];   123.[225, 414, 762]
13.[23, 43, 79];   50.[91, 168, 309];   87.[159, 293, 539];   124.[227, 418, 769]
14.[25, 46, 85];   51.[93, 171, 315];   88.[161, 296, 545];   125.[229, 421, 775]
15.[27, 50, 92];   52.[95, 175, 322];   89.[163, 300, 552];   126.[231, 425, 782]
16.[29, 53, 98];   53.[97, 179, 329];   90.[165, 304, 559];   127.[233, 429, 789]
17.[31, 57, 105];   54.[99, 182, 335];   91.[167, 307, 565];   128.[235, 432, 795]
18.[32, 59, 109];   55.[101, 186, 342];   92.[169, 311, 572];   129.[237, 436, 802]
19.[34, 63, 116];   56.[102, 188, 346];   93.[170, 313, 576];   130.[238, 438, 806]
20.[36, 66, 122];   57.[104, 192, 353];   94.[172, 317, 583];   131.[240, 442, 813]
21.[38, 70, 129];   58.[106, 195, 359];   95.[174, 320, 589];   132.[242, 445, 819]
22.[40, 74, 136];   59.[108, 199, 366];   96.[176, 324, 596];   133.[244, 449, 826]
23.[42, 77, 142];   60.[110, 202, 372];   97.[178, 327, 602];   134.[246, 453, 833]
24.[44, 81, 149];   61.[112, 206, 379];   98.[180, 331, 609];   135.[248, 456, 839]
25.[45, 83, 153];   62.[113, 208, 383];   99.[181, 333, 613];   136.[250, 460, 846]
26.[47, 87, 160];   63.[115, 212, 390];   100.[183, 337, 620];   137.[251, 462, 850]
27.[49, 90, 166];   64.[117, 215, 396];   101.[185, 340, 626];   138.[253, 466, 857]
28.[51, 94, 173];   65.[119, 219, 403];   102.[187, 344, 633];   139.[255, 469, 863]
29.[52, 96, 177];   66.[121, 223, 410];   103.[189, 348, 640];   140.[257, 473, 870]
30.[54, 100, 184];   67.[123, 226, 416];   104.[191, 351, 646];   141.[259, 476, 876]
31.[56, 103, 190];   68.[125, 230, 423];   105.[193, 355, 653];   142.[261, 480, 883]
32.[58, 107, 197];   69.[126, 232, 427];   106.[194, 357, 657];   143.[262, 482, 887]
33.[60, 111, 204];   70.[128, 236, 434];   107.[196, 361, 664];   144.[264, 486, 894]
34.[62, 114, 210];   71.[130, 239, 440];   108.[198, 364, 670];   145.[266, 489, 900]
35.[64, 118, 217];   72.[132, 243, 447];   109.[200, 368, 677];   146.[268, 493, 907]
36.[65, 120, 221];   73.[133, 245, 451];   110.[201, 370, 681];   147.[270, 497, 914]
37.[67, 124, 228];   74.[135, 249, 458];   111.[203, 374, 688];   148.[272, 500, 920]