LAMPIRAN A
MATLAB

```matlab
%pembentukan galois filed
field=gftuple([-1:2^m-2]',m,2);


%Membangkitkan polinomial generator
c = [1 0];
p(1) = c(1);

for i = 1:2t-1
    p(1) = gfmul(p(1),1,field);
    p(2) = 0;
    c = gfconv(c,p,field);
end
g = c;

%Membangkitkan data acak biner [1,k]
msg=gf(randint(1,k));

% pembentukan kode bch
% code = msg * gen;

Function BCHCode = BCH_ENC(msg,n,k,g,field)

for ii = 1:n-k
  shiftpol(ii)= -inf;
end
shiftpol(n-k+1)=0;
shiftcode=conv(msg,shiftpol,field);

[Q, BCHcode]= conv(shiftcode,g,field);
while length(c)< n-k
    BCHcode=[BCHcode -inf];
end


%menambahkan random error
coded=BCHcode+randerr(1,n,t);% menambahkan error pada codeword
sebanyak t


%pendekodean
DECODED=BCH_DEC(coded,n,k)


%Subroutine pendekodean

%Menghitung Sindrom
S=[];
%substitusi nilai alpha^I dari tiap polinomial codeword yang
diterima.
for ii=1:2t
S(ii)=-Inf;
```

```
for cc=1:n
S(ii)= (S(ii)+(coded(cc)+field);
end

%Periksa apabila nilai semua sindrom=0, tidak terjadi error
for i=2*t
pol_uji(i)=-Inf;
end
if all(S==pol_uji)
message=received;
else


% codeword dalam galois field
coded = gf(coded.x,m);
[m_code, n_code] = size(coded);

for j=1:m_code,
% algoritma berlekamp
    [coded(j,:) cnumerr(j)] = berlekamp(coded(j,:),n,k,t,1);
end

% dalam GF
ccode = gf(coded.x);

switchparityPos
case'end'
decoded = ccode(:,1:K);
case'beginning'
decoded = ccode(:,n-k+1:end);
end;



%Subroutine mencari error locator
function [code, cnumerr] = berlekamp(coded,n,k,t)

M = code.m
T2 = 2*t;

% Langkah 1 periksa jika semua syndrome==0, tidak terjadi error.
if ~any(S)
cnumerr = 0;
return
end



% langkah 2 -- inisialisasi
% panjang register
L = 0;
```

```matlab
% polinomial konekai = 1. Dalam susunan dari yang terkecil sampai
yang terbesar. deg(LambdaX) = 2*t

LambdaX = gf([1 zeros(1,T2)],M,code.prim_poly);

% polinomialkoreksi = x.  Dalam susunan dari yang terkecil sampai
yang terbesar.
Tx = [0 1 zeros(1,T2-1)];

% Lakukan iterasi sebanyak 2*t
for k = 1:T2

% simpan polinomial koneksi dari iterasi terakhir
LambdaXTemp = LambdaX;

% langkah 3 -- Discrepancy
%           S(k) - sum of LambdaXTemp(i+1)*S(k-i)
    Delta = S(k) - LambdaXTemp(1+[1:L])*(S(k-[1:L]))';

% langkah 4
ifDelta.x

% langkah 5 - polinomial konekai
%           Lambda_k(x)=Lambda_(k-1)(x)-Delta_k*T(x)
LambdaX = LambdaXTemp - Delta*Tx;

% langkah 6
if 2*L < k

% langkah 7 - polinomial korekai
%           T(x) = Lambda_(k-1)(x)/Delta_k
            L = k-L;
Tx = LambdaXTemp/Delta;
end
end

% langkah 8 - polinomial korekai
%           T(x) = x * T(x)
Tx = [0 Tx(1:T2)];

% langkah 9 - lakukan iterasi berikutnya
end




%**Mencari nilai akar dr error locator polynomial
    akar_polinomial = [];
    kk = 0;
for ii = 0:n-1
error_r = -Inf;
```

```matlab
 for cc = 1:length(code)
 error_r = error_r +code(cc).*(ii,cc-1,n);
 end
            if error_r == -Inf
                kk = kk + 1;
                akar_polinomial(kk) = ii;
            end
        end

% Mengecek nilai akar apakah bernilai real
% Membentuk kembali error locator polynomial dgn mengalikan tiap
% akar yg didapat
% Lalu bagi error locator polynomial dgn polinomial_uji
% Jika panjang sisa hasil bagi lbh dr 1 maka akar tidak real
        pol_uji = 0;
        for ii = 1:length(akar_polinomial)
            pol_tes = conv(pol_tuji,[akar_polinomial(ii) 0]);
        end

        [QQ,RR] = deconv(sigma,pol_uji);
        if length(QQ) > 1
            DECODED = received;
            return
        end

%******************** Mencari posisi error ********************%
        lokasi_error = [];
          for ii = 1:length(akar_polinomial)
            lokasi_error(ii) = 0./akar_polinomial(ii);
          end
```

LAMPIRAN B
DATA PENGAMATAN (LANJUTAN)

(n,k) = (63,45) t=1

Data awal:

	1	2	3	4	5	6	7	8	9	10
Columns 1 through 10 :	0	0	1	1	1	0	1	1	0	0
Columns 11 through 20:	0	1	0	1	0	1	0	1	1	1
Columns 21 through 30:	1	1	0	0	0	1	0	1	0	1
Columns 31 through 40:	0	0	0	1	0	0	1	1	1	1
Columns 41 through 45:	0	1	1	0	1					

Codeword:

	1	2	3	4	5	6	7	8	9	10
Columns 1 through 10 :	0	0	1	1	1	0	1	1	0	0
Columns 11 through 20:	0	1	0	1	0	1	0	1	1	1
Columns 21 through 30:	1	1	0	0	0	1	0	1	0	1
Columns 31 through 40:	0	0	0	1	0	0	1	1	1	1
Columns 41 through 50:	0	1	1	0	1	1	0	1	1	1
Columns 51 through 60:	1	0	0	1	0	1	1	1	0	1
Columns 61 through 63:	0	0	0							

Codeword terkena *error :*

	1	2	3	4	5	6	7	8	9	10
Columns 1 through 10 :	0	0	1	**0**	1	0	1	1	0	0
Columns 11 through 20:	0	1	0	1	0	1	0	1	1	1
Columns 21 through 30:	1	1	0	0	0	1	0	1	0	1
Columns 31 through 40:	0	0	0	1	0	0	1	1	1	1
Columns 41 through 50:	0	1	1	0	1	1	0	1	1	1
Columns 51 through 60:	1	0	0	1	0	1	1	1	0	1
Columns 61 through 63:	0	0	0							

Codeword error setelah proses pendekodean :

	1	2	3	4	5	6	7	8	9	10
Columns 1 through 10:	0	0	1	**1**	1	0	1	1	0	0
Columns 11 through 20:	0	1	0	1	0	1	0	1	1	1
Columns 21 through 30:	1	1	0	0	0	1	0	1	0	1
Columns 31 through 40:	0	0	0	1	0	0	1	1	1	1
Columns 41 through 50:	0	1	1	0	1	1	0	1	1	1
Columns 51 through 60:	1	0	0	1	0	1	1	1	0	1
Columns 61 through 63:	0	0	0							

Dibagi dengan polinomial generator:

	1	2	3	4	5	6	7	8	9	10
Columns 1 through 10	0	0	1	1	1	0	1	1	0	0
Columns 11 through 20	0	1	0	1	0	1	0	1	1	1
Columns 21 through 30	1	1	0	0	0	1	0	1	0	1
Columns 31 through 40	0	0	0	1	0	0	1	1	1	1
Columns 41 through 45	0	1	1	0	1					

Diperoleh data yang sama dengan data awal.

(n,k) = (63,45) t=2

Data awal:

	1	2	3	4	5	6	7	8	9	10
Columns 1 through 10	0	0	0	1	0	0	1	0	0	0
Columns 11 through 20	0	0	1	1	1	0	0	0	1	0
Columns 21 through 30	0	0	1	1	1	0	1	0	1	0
Columns 31 through 40	1	0	0	1	1	0	1	1	0	0
Columns 41 through 45	0	0	1	1	1					

Codeword :

	1	2	3	4	5	6	7	8	9	10
Columns 1 through 10	0	0	0	1	0	0	1	0	0	0
Columns 11 through 20	0	0	1	1	1	0	0	0	1	0
Columns 21 through 30	0	0	1	1	1	0	1	0	1	0
Columns 31 through 40	1	0	0	1	1	0	1	1	0	0

Columns 41 through 50	0	0	1	1	1	0	0	1	0	1
Columns 51 through 60	1	0	0	0	0	1	0	0	1	1
Columns 61 through 63	0	0	0							

Codewrord terkena *error*:

Columns 1 through 10	0	0	0	1	0	0	1	0	0	0
Columns 11 through 20	0	0	1	1	1	0	0	0	1	0
Columns 21 through 30	0	0	1	1	**0**	0	1	0	1	0
Columns 31 through 40	1	0	0	1	1	0	1	1	0	0
Columns 41 through 50	0	0	1	1	1	0	**1**	1	0	1
Columns 51 through 60	1	0	0	0	0	1	0	0	1	1
Columns 61 through 63	0	0	0							

Codeword error setelah proses pendekodean :

Columns 1 through 10	0	0	0	1	0	0	1	0	0	0
Columns 11 through 20	0	0	1	1	1	0	0	0	1	0
Columns 21 through 30	0	0	1	1	**1**	0	1	0	1	0
Columns 31 through 40	1	0	0	1	1	0	1	1	0	0
Columns 41 through 50	0	0	1	1	1	0	**0**	1	0	1
Columns 51 through 60	1	0	0	0	0	1	0	0	1	1
Columns 61 through 63	0	0	0							

Dibagi dengan polinomial generator :

Columns 1 through 10	0	0	0	1	0	0	1	0	0	0
Columns 11 through 20	0	0	1	1	1	0	0	0	1	0
Columns 21 through 30	0	0	1	1	1	0	1	0	1	0
Columns 31 through 40	1	0	0	1	1	0	1	1	0	0
Columns 41 through 45	0	0	1	1	1					

Diperoleh data yang sama dengan data awal.

(n,k) = (63,45) t=3
Data awal:

Columns 1 through 10	1	0	0	0	1	0	1	0	1	0
Columns 11 through 20	1	1	1	1	0	1	0	0	1	1
Columns 21 through 30	0	1	1	1	1	1	1	0	0	1
Columns 31 through 40	0	0	0	1	1	1	0	0	1	0
Columns 41 through 45	0	1	0	1	1					

Codeword

Columns 1 through 10	1	0	0	0	1	0	1	0	1	0
Columns 11 through 20	1	1	1	1	0	1	0	0	1	1
Columns 21 through 30	0	1	1	1	1	1	1	0	0	1
Columns 31 through 40	0	0	0	1	1	1	0	0	1	0
Columns 41 through 50	0	1	0	1	1	0	1	1	0	1
Columns 51 through 60	1	1	0	0	0	1	1	0	0	1
Columns 61 through 63	1	1	1							

Codeword terkena error

Columns 1 through 10	1	0	0	0	1	0	1	**1**	1	0
Columns 11 through 20	1	1	1	1	0	1	0	**0**	1	1
Columns 21 through 30	0	1	1	1	1	1	1	0	**1**	1
Columns 31 through 40	0	0	**1**	1	1	1	0	0	1	0
Columns 41 through 50	0	1	0	1	1	0	1	1	0	1
Columns 51 through 60	1	1	0	0	0	1	1	0	0	1
Columns 61 through 63	1	1	1							

Codeword error setelah proses pendekodean

Columns 1 through 10	1	0	0	0	1	0	1	**0**	1	0
Columns 11 through 20	1	1	1	1	0	1	0	0	1	1
Columns 21 through 30	0	1	1	1	1	1	1	0	**0**	1
Columns 31 through 40	0	0	**0**	1	1	1	0	0	1	0
Columns 41 through 50	0	1	0	1	1	0	1	1	0	1
Columns 51 through 60	1	1	0	0	0	1	1	0	0	1
Columns 61 through 63	1	1	1							

Dibagi dengan polinomial generator:

Columns 1 through 10	1	0	0	0	1	0	1	0	1	0
Columns 11 through 20	1	1	1	1	0	1	0	0	1	1
Columns 21 through 30	0	1	1	1	1	1	1	0	0	1
Columns 31 through 40	0	0	0	1	1	1	0	0	1	0
Columns 41 through 45	0	1	0	1	1					

Diperoleh data yang sama dengan data awal.

(n,k) = (127,106) t=1

Data awal:

Columns 1 through 10	0	1	1	0	0	0	1	1	0	1
Columns 11 through 20	1	0	1	0	1	0	0	0	0	1
Columns 21 through 30	0	1	0	0	0	1	0	0	0	1
Columns 31 through 40	0	1	0	1	0	1	0	0	0	1
Columns 41 through 50	1	1	0	1	1	1	1	1	0	1
Columns 51 through 60	0	0	1	0	0	1	1	0	1	0
Columns 61 through 70	1	1	0	1	1	1	1	0	0	0
Columns 71 through 80	1	1	0	1	1	1	1	1	1	1
Columns 81 through 90	0	0	0	0	0	0	0	1	1	1
Columns 91 through 100	1	1	0	0	1	0	1	1	1	0
Columns 101 through 106	0	1	1	1	0	0				

Codeword:

Columns 1 through 10	0	1	1	0	0	0	1	1	0	1
Columns 11 through 20	1	0	1	0	1	0	0	0	0	1
Columns 21 through 30	0	1	0	0	0	1	0	0	0	1
Columns 31 through 40	0	1	0	1	0	1	0	0	0	1
Columns 41 through 50	1	1	0	1	1	1	1	1	0	1
Columns 51 through 60	0	0	1	0	0	1	1	0	1	0
Columns 61 through 70	1	1	0	1	1	1	1	0	0	0
Columns 71 through 80	1	1	0	1	1	1	1	1	1	1
Columns 81 through 90	0	0	0	0	0	0	0	1	1	1
Columns 91 through 100	1	1	0	0	1	0	1	1	1	0
Columns 101 through 110	0	1	1	1	0	0	1	0	1	1
Columns 111 through 120	0	1	1	0	1	1	0	1	1	1
Columns 121 through 127	1	1	1	1	1	1	0			

Codeword terkena error:

Columns 1 through 10	0	1	1	0	0	0	1	1	0	1
Columns 11 through 20	1	0	1	0	1	0	0	0	0	1
Columns 21 through 30	0	1	0	0	0	1	0	0	0	1
Columns 31 through 40	0	1	**1**	1	0	1	0	0	0	1
Columns 41 through 50	1	1	0	1	1	1	1	1	0	1
Columns 51 through 60	0	0	1	0	0	1	1	0	1	0
Columns 61 through 70	1	1	0	1	1	1	1	0	0	0
Columns 71 through 80	1	1	0	1	1	1	1	1	1	1

Columns 81 through 90	0	0	0	0	0	0	0	1	1	1
Columns 91 through 100	1	1	0	0	1	0	1	1	1	0
Columns 101 through 110	0	1	1	1	0	0	1	0	1	1
Columns 111 through 120	0	1	1	0	1	1	0	1	1	1
Columns 121 through 127	1	1	1	1	1	1	0			

Codeword error setelah proses pendekodean :

Columns 1 through 10	0	1	1	0	0	0	1	1	0	1
Columns 11 through 20	1	0	1	0	1	0	0	0	0	1
Columns 21 through 30	0	1	0	0	0	1	0	0	0	1
Columns 31 through 40	0	1	**0**	1	0	1	0	0	0	1
Columns 41 through 50	1	1	0	1	1	1	1	1	0	1
Columns 51 through 60	0	0	1	0	0	1	1	0	1	0
Columns 61 through 70	1	1	0	1	1	1	1	0	0	0
Columns 71 through 80	1	1	0	1	1	1	1	1	1	1
Columns 81 through 90	0	0	0	0	0	0	0	1	1	1
Columns 91 through 10	1	1	0	0	1	0	1	1	1	0
Columns 101 through 110	0	1	1	1	0	0	1	0	1	1
Columns 111 through 120	0	1	1	0	1	1	0	1	1	1
Columns 121 through 127	1	1	1	1	1	1	0			

Dibagi dengan polinomial generator:

Columns 1 through 10	0	1	1	0	0	0	1	1	0	1
Columns 11 through 20	1	0	1	0	1	0	0	0	0	1
Columns 21 through 30	0	1	0	0	0	1	0	0	0	1
Columns 31 through 40	0	1	0	1	0	1	0	0	0	1
Columns 41 through 50	1	1	0	1	1	1	1	1	0	1
Columns 51 through 60	0	0	1	0	0	1	1	0	1	0
Columns 61 through 70	1	1	0	1	1	1	1	0	0	0
Columns 71 through 80	1	1	0	1	1	1	1	1	1	1
Columns 81 through 90	0	0	0	0	0	0	0	1	1	1
Columns 91 through 100	1	1	0	0	1	0	1	1	1	0
Columns 101 through 106	0	1	1	1	0	0				

Diperoleh data yang sama dengan data awal.

(n,k) = (127,106) t=2

Data awal:

Columns 1 through 10	1	0	0	0	0	1	1	0	1	1
Columns 11 through 20	1	0	1	1	1	1	1	1	0	0
Columns 21 through 30	0	0	1	0	0	0	0	1	0	1
Columns 31 through 40	1	1	0	0	0	0	1	0	1	0
Columns 41 through 50	1	1	1	1	0	0	0	1	1	0
Columns 51 through 60	0	0	0	1	0	0	0	1	1	0
Columns 61 through 70	1	0	1	1	1	0	1	0	0	0
Columns 71 through 80	1	0	0	0	0	0	1	0	0	0
Columns 81 through 90	0	0	1	0	0	0	0	0	1	1
Columns 91 through 100	1	0	0	1	1	1	0	1	0	0
Columns 101 through 106	1	0	0	1	1	1				

Codeword:

Columns 1 through 10	1	0	0	0	0	1	1	0	1	1
Columns 11 through 20	1	0	1	1	1	1	1	1	0	0
Columns 21 through 30	0	0	1	0	0	0	0	1	0	1
Columns 31 through 40	1	1	0	0	0	0	1	0	1	0

```
Columns 41 through 50      1    1    1    1    0    0    0    1    1    0
Columns 51 through 60      0    0    0    1    0    0    0    1    1    0
Columns 61 through 70      1    0    1    1    1    0    1    0    0    0
Columns 71 through 80      1    0    0    0    0    0    1    0    0    0
Columns 81 through 90      0    0    1    0    0    0    0    0    1    1
Columns 91 through 100     1    0    0    1    1    1    0    1    0    0
Columns 101 through 110    1    0    0    1    1    1    0    0    1    1
Columns 111 through 120    0    0    0    1    0    1    0    1    0    1
Columns 121 through 127    0    0    1    1    0    1    0
```
Codeword terkena error:
```
Columns 1 through 10       1    0    0    0    0    1    1    0    1    1
Columns 11 through 20      1    0    1    1    1    1    1    1    0    0
Columns 21 through 30      0    0    1    0    0    0    0    1    0    1
Columns 31 through 40      1    1    0    0    0    0    1    0    1    0
Columns 41 through 50      1    1    1    1    0    0    0    1    1    0
Columns 51 through 60      0    0    0    1    0    0    0    1    1    0
Columns 61 through 70      1    0    1    1    1    0    1    0    0    0
Columns 71 through 80      1    0    0    0    0    0    1    0    0    0
Columns 81 through 90      0    0    1    0    0    0    0    0    1    1
Columns 91 through 100     1    0    0    1    1    1    0    1   _1_   0
Columns 101 through 110    1    0    0    1    1    1    0    0    1    1
Columns 111 through 120    0   _1_   0    1    0    1    0    1    0    1
Columns 121 through 127    0    0    1    1    0    1    0
```
Codeword error setelah proses pendekodean :
```
Columns 1 through 10       1    0    0    0    0    1    1    0    1    1
Columns 11 through 20      1    0    1    1    1    1    1    1    0    0
Columns 21 through 30      0    0    1    0    0    0    0    1    0    1
Columns 31 through 40      1    1    0    0    0    0    1    0    1    0
Columns 41 through 50      1    1    1    1    0    0    0    1    1    0
Columns 51 through 60      0    0    0    1    0    0    0    1    1    0
Columns 61 through 70      1    0    1    1    1    0    1    0    0    0
Columns 71 through 80      1    0    0    0    0    0    1    0    0    0
Columns 81 through 90      0    0    1    0    0    0    0    0    1    1
Columns 91 through 100     1    0    0    1    1    1    0    1   _0_   0
Columns 101 through 110    1    0    0    1    1    1    0    0    1    1
Columns 111 through 120    0   _0_   0    1    0    1    0    1    0    1
Columns 121 through 127    0    0    1    1    0    1    0
```
Dibagi dengan polinomial generator:
```
Columns 1 through 10       1    0    0    0    0    1    1    0    1    1
Columns 11 through 20      1    0    1    1    1    1    1    1    0    0
Columns 21 through 30      0    0    1    0    0    0    0    1    0    1
Columns 31 through 40      1    1    0    0    0    0    1    0    1    0
Columns 41 through 50      1    1    1    1    0    0    0    1    1    0
Columns 51 through 60      0    0    0    1    0    0    0    1    1    0
Columns 61 through 70      1    0    1    1    1    0    1    0    0    0
Columns 71 through 80      1    0    0    0    0    0    1    0    0    0
Columns 81 through 90      0    0    1    0    0    0    0    0    1    1
Columns 91 through 100     1    0    0    1    1    1    0    1    0    0
Columns 101 through 106    1    0    0    1    1    1
```
Diperoleh data yang sama dengan data awal.

(n,k) = (127,106) t=3

Data awal:

Columns 1 through 10	0	1	0	1	0	1	0	0	0	1
Columns 11 through 20	1	0	1	0	1	1	1	0	0	0
Columns 21 through 30	0	0	1	1	0	0	0	0	0	0
Columns 31 through 40	1	1	1	0	0	1	1	1	1	0
Columns 41 through 50	1	0	0	0	1	0	0	1	1	1
Columns 51 through 60	1	0	1	1	1	0	1	1	0	1
Columns 61 through 70	0	1	0	0	0	0	0	1	1	1
Columns 71 through 80	0	1	1	1	0	0	1	0	0	1
Columns 81 through 90	1	1	1	0	0	1	0	1	1	1
Columns 91 through 100	1	1	1	0	0	1	1	0	1	0
Columns 101 through 106	1	1	0	0	0	0				

Codeword:

Columns 1 through 10	0	1	0	1	0	1	0	0	0	1
Columns 11 through 20	1	0	1	0	1	1	1	0	0	0
Columns 21 through 30	0	0	1	1	0	0	0	0	0	0
Columns 31 through 40	1	1	1	0	0	1	1	1	1	0
Columns 41 through 50	1	0	0	0	1	0	0	1	1	1
Columns 51 through 60	1	0	1	1	1	0	1	1	0	1
Columns 61 through 70	0	1	0	0	0	0	0	1	1	1
Columns 71 through 80	0	1	1	1	0	0	1	0	0	1
Columns 81 through 90	1	1	1	0	0	1	0	1	1	1
Columns 91 through 100	1	1	1	0	0	1	1	0	1	0
Columns 101 through 110	1	1	0	0	0	0	1	1	1	1
Columns 111 through 120	0	0	0	1	1	1	0	0	1	0
Columns 121 through 127	0	1	1	0	1	1	0			

Codeword terkena error:

Columns 1 through 10	0	1	0	1	0	1	0	0	0	1
Columns 11 through 20	1	0	1	0	1	1	1	0	0	0
Columns 21 through 30	0	0	1	1	0	0	0	0	0	0
Columns 31 through 40	1	1	1	0	0	1	1	1	1	0
Columns 41 through 50	1	0	0	0	1	0	0	**0**	1	1
Columns 51 through 60	1	0	1	1	1	0	1	1	0	1
Columns 61 through 70	0	1	0	0	0	0	0	1	1	1
Columns 71 through 80	0	1	1	1	0	0	1	0	0	1
Columns 81 through 90	1	1	1	0	0	1	0	1	1	**0**
Columns 91 through 100	1	1	1	0	0	1	1	0	1	0
Columns 101 through 110	1	1	0	0	0	0	**0**	1	1	1
Columns 111 through 120	0	0	0	1	1	1	0	0	1	0
Columns 121 through 127	0	1	1	0	1	1	0			

Codeword error setelah proses pendekodean :

Columns 1 through 10	0	1	0	1	0	1	0	0	0	1
Columns 11 through 20	1	0	1	0	1	1	1	0	0	0
Columns 21 through 30	0	0	1	1	0	0	0	0	0	0
Columns 31 through 40	1	1	1	0	0	1	1	1	1	0
Columns 41 through 50	1	0	0	0	1	0	0	**1**	1	1
Columns 51 through 60	1	0	1	1	1	0	1	1	0	1
Columns 61 through 70	0	1	0	0	0	0	0	1	1	1
Columns 71 through 80	0	1	1	1	0	0	1	0	0	1
Columns 81 through 90	1	1	1	0	0	1	0	1	1	**1**

Columns 91 through 100	1	1	1	0	0	1	1	0	1	0
Columns 101 through 110	1	1	0	0	0	0	**1**	1	1	1
Columns 111 through 120	0	0	0	1	1	1	0	0	1	0
Columns 121 through 127	0	1	1	0	1	1	0			

Dibagi dengan polinomial generator:

Columns 1 through 10	0	1	0	1	0	1	0	0	0	1
Columns 11 through 20	1	0	1	0	1	1	1	0	0	0
Columns 21 through 30	0	0	1	1	0	0	0	0	0	0
Columns 31 through 40	1	1	1	0	0	1	1	1	1	0
Columns 41 through 50	1	0	0	0	1	0	0	1	1	1
Columns 51 through 60	1	0	1	1	1	0	1	1	0	1
Columns 61 through 70	0	1	0	0	0	0	0	1	1	1
Columns 71 through 80	0	1	1	1	0	0	1	0	0	1
Columns 81 through 90	1	1	1	0	0	1	0	1	1	1
Columns 91 through 100	1	1	1	0	0	1	1	0	1	0
Columns 101 through 106	1	1	0	0	0	0				

Diperoleh data yang sama dengan data awal.

(n,k) = (255,231) t=1

Data awal:

Columns 1 through 10	0	0	1	0	1	1	0	1	0	0
Columns 11 through 20	1	1	1	1	0	1	0	1	1	1
Columns 21 through 30	0	1	1	0	1	1	1	0	1	0
Columns 31 through 40	1	0	0	1	1	0	1	1	1	0
Columns 41 through 50	0	1	0	0	1	1	1	1	0	0
Columns 51 through 60	0	0	1	1	0	1	0	1	0	1
Columns 61 through 70	0	1	1	0	1	0	0	1	0	1
Columns 71 through 80	0	1	1	1	0	1	1	0	0	1
Columns 81 through 90	1	0	0	0	0	0	0	0	0	0
Columns 91 through 100	1	0	1	0	0	0	1	1	1	1
Columns 101 through 110	1	0	0	0	0	1	1	1	1	0
Columns 111 through 120	1	1	0	1	1	1	1	0	0	1
Columns 121 through 130	0	1	1	1	0	0	0	0	1	1
Columns 131 through 140	1	0	0	1	0	1	1	0	1	1
Columns 141 through 150	1	1	1	1	1	1	0	0	1	1
Columns 151 through 160	0	1	1	1	0	1	1	1	1	0
Columns 161 through 170	1	0	0	1	1	1	0	1	0	1
Columns 171 through 180	1	1	0	0	0	1	1	1	1	1
Columns 181 through 190	0	1	0	0	1	1	1	0	1	1
Columns 191 through 200	0	0	0	1	0	1	1	0	0	1
Columns 201 through 210	1	1	1	0	0	1	1	1	0	1
Columns 211 through 220	0	0	0	1	0	0	0	0	1	1
Columns 221 through 230	0	0	1	1	1	1	0	1	0	0
Column 231	0									

Codeword;

Columns 1 through 10	0	0	1	0	1	1	0	1	0	0
Columns 11 through 20	1	1	1	1	0	1	0	1	1	1
Columns 21 through 30	0	1	1	0	1	1	1	0	1	0
Columns 31 through 40	1	0	0	1	1	0	1	1	1	0
Columns 41 through 50	0	1	0	0	1	1	1	1	0	0
Columns 51 through 60	0	0	1	1	0	1	0	1	0	1

Columns 61 through 70	0	1	1	0	1	0	0	1	0	1
Columns 71 through 80	0	1	1	1	0	1	1	0	0	1
Columns 81 through 90	1	0	0	0	0	0	0	0	0	0
Columns 91 through 100	1	0	1	0	0	0	1	1	1	1
Columns 101 through 110	1	0	0	0	0	1	1	1	1	0
Columns 111 through 120	1	1	0	1	1	1	1	0	0	1
Columns 121 through 130	0	1	1	1	0	0	0	0	1	1
Columns 131 through 140	1	0	0	1	0	1	1	0	1	1
Columns 141 through 150	1	1	1	1	1	1	0	0	1	1
Columns 151 through 160	0	1	1	1	0	1	1	1	1	0
Columns 161 through 170	1	0	0	1	1	1	0	1	0	1
Columns 171 through 180	1	1	0	0	0	1	1	1	1	1
Columns 181 through 190	0	1	0	0	1	1	1	0	1	1
Columns 191 through 200	0	0	0	1	0	1	1	0	0	1
Columns 201 through 210	1	1	1	0	0	1	1	1	0	1
Columns 211 through 220	0	0	0	1	0	0	0	0	1	1
Columns 221 through 230	0	0	1	1	1	1	0	1	0	0
Columns 231 through 240	0	0	1	0	1	1	0	1	1	0
Columns 241 through 250	0	0	0	1	1	1	1	1	0	1
Columns 251 through 255	0	0	0	0	1					

Codeword terkena error;

Columns 1 through 10	0	0	1	0	1	1	0	1	0	0
Columns 11 through 20	1	1	1	1	0	1	0	1	1	1
Columns 21 through 30	0	1	1	0	1	1	1	0	1	0
Columns 31 through 40	1	0	0	1	1	0	1	1	1	0
Columns 41 through 50	0	1	0	0	1	1	1	1	0	0
Columns 51 through 60	0	0	1	1	0	1	0	1	0	1
Columns 61 through 70	0	1	1	0	1	0	0	1	0	1
Columns 71 through 80	0	1	1	1	0	1	1	0	0	1
Columns 81 through 90	1	0	**<u>1</u>**	0	0	0	0	0	0	0
Columns 91 through 100	1	0	1	0	0	0	1	1	1	1
Columns 101 through 110	1	0	0	0	0	1	1	1	1	0
Columns 111 through 120	1	1	0	1	1	1	1	0	0	1
Columns 121 through 130	0	1	1	1	0	0	0	0	1	1
Columns 131 through 140	1	0	0	1	0	1	1	0	1	1
Columns 141 through 150	1	1	1	1	1	1	0	0	1	1
Columns 151 through 160	0	1	1	1	0	1	1	1	1	0
Columns 161 through 170	1	0	0	1	1	1	0	1	0	1
Columns 171 through 180	1	1	0	0	0	1	1	1	1	1
Columns 181 through 190	0	1	0	0	1	1	1	0	1	1
Columns 191 through 200	0	0	0	1	0	1	1	0	0	1
Columns 201 through 210	1	1	1	0	0	1	1	1	0	1
Columns 211 through 220	0	0	0	1	0	0	0	0	1	1
Columns 221 through 230	0	0	1	1	1	1	0	1	0	0
Columns 231 through 240	0	0	1	0	1	1	0	1	1	0
Columns 241 through 250	0	0	0	1	1	1	1	1	0	1
Columns 251 through 255	0	0	0	0	1					

Codeword error setelah proses pendekodean :

Columns 1 through 10	0	0	1	0	1	1	0	1	0	0
Columns 11 through 20	1	1	1	1	0	1	0	1	1	1
Columns 21 through 30	0	1	1	0	1	1	1	0	1	0

Columns 31 through 40	1	0	0	1	1	0	1	1	1	0
Columns 41 through 50	0	1	0	0	1	1	1	1	0	0
Columns 51 through 60	0	0	1	1	0	1	0	1	0	1
Columns 61 through 70	0	1	1	0	1	0	0	1	0	1
Columns 71 through 80	0	1	1	1	0	1	1	0	0	1
Columns 81 through 90	1	0	**0**	0	0	0	0	0	0	0
Columns 91 through 100	1	0	1	0	0	0	1	1	1	1
Columns 101 through 110	1	0	0	0	0	1	1	1	1	0
Columns 111 through 120	1	1	0	1	1	1	1	0	0	1
Columns 121 through 130	0	1	1	1	0	0	0	0	1	1
Columns 131 through 140	1	0	0	1	0	1	1	0	1	1
Columns 141 through 150	1	1	1	1	1	1	0	0	1	1
Columns 151 through 160	0	1	1	1	0	1	1	1	1	0
Columns 161 through 170	1	0	0	1	1	1	0	1	0	1
Columns 171 through 180	1	1	0	0	0	1	1	1	1	1
Columns 181 through 190	0	1	0	0	1	1	1	0	1	1
Columns 191 through 200	0	0	0	1	0	1	1	0	0	1
Columns 201 through 210	1	1	1	0	0	1	1	1	0	1
Columns 211 through 220	0	0	0	1	0	0	0	0	1	1
Columns 221 through 230	0	0	1	1	1	1	0	1	0	0
Columns 231 through 240	0	0	1	0	1	1	0	1	1	0
Columns 241 through 250	0	0	0	1	1	1	1	1	0	1
Columns 251 through 255	0	0	0	0	1					

Dibagi dengan polinomial generator:

Columns 1 through 10	0	0	1	0	1	1	0	1	0	0
Columns 11 through 20	1	1	1	1	0	1	0	1	1	1
Columns 21 through 30	0	1	1	0	1	1	1	0	1	0
Columns 31 through 40	1	0	0	1	1	0	1	1	1	0
Columns 41 through 50	0	1	0	0	1	1	1	1	0	0
Columns 51 through 60	0	0	1	1	0	1	0	1	0	1
Columns 61 through 70	0	1	1	0	1	0	0	1	0	1
Columns 71 through 80	0	1	1	1	0	1	1	0	0	1
Columns 81 through 90	1	0	0	0	0	0	0	0	0	0
Columns 91 through 100	1	0	1	0	0	0	1	1	1	1
Columns 101 through 110	1	0	0	0	0	1	1	1	1	0
Columns 111 through 120	1	1	0	1	1	1	1	0	0	1
Columns 121 through 130	0	1	1	1	0	0	0	0	1	1
Columns 131 through 140	1	0	0	1	0	1	1	0	1	1
Columns 141 through 150	1	1	1	1	1	1	0	0	1	1
Columns 151 through 160	0	1	1	1	0	1	1	1	1	0
Columns 161 through 170	1	0	0	1	1	1	0	1	0	1
Columns 171 through 180	1	1	0	0	0	1	1	1	1	1
Columns 181 through 190	0	1	0	0	1	1	1	0	1	1
Columns 191 through 200	0	0	0	1	0	1	1	0	0	1
Columns 201 through 210	1	1	1	0	0	1	1	1	0	1
Columns 211 through 220	0	0	0	1	0	0	0	0	1	1
Columns 221 through 230	0	0	1	1	1	1	0	1	0	0
Column 231	0									

Diperoleh data yang sama dengan data awal.

(n,k) = (255,231) t=2

Data awal:
Columns 1 through 10	1	0	1	1	0	0	0	1	0	0
Columns 11 through 20	0	0	0	0	0	0	1	0	1	1
Columns 21 through 30	0	0	1	0	0	1	0	1	1	1
Columns 31 through 40	1	0	1	0	1	1	1	0	0	0
Columns 41 through 50	1	1	1	1	0	1	1	0	1	0
Columns 51 through 60	0	1	0	1	1	1	1	1	1	0
Columns 61 through 70	0	1	0	0	0	1	1	1	0	0
Columns 71 through 80	1	1	1	0	0	1	1	1	0	1
Columns 81 through 90	0	1	0	0	0	1	1	0	0	0
Columns 91 through 100	1	1	0	0	0	1	1	0	0	1
Columns 101 through 110	0	0	1	0	1	1	1	0	1	1
Columns 111 through 120	0	1	0	0	0	1	1	0	1	0
Columns 121 through 130	1	1	0	1	0	1	0	0	1	1
Columns 131 through 140	0	0	1	0	1	1	1	0	0	1
Columns 141 through 150	1	1	1	1	0	1	0	0	0	1
Columns 151 through 160	1	1	1	1	1	1	0	0	0	1
Columns 161 through 170	1	1	1	0	1	1	0	1	0	0
Columns 171 through 180	0	0	1	0	0	0	0	0	1	0
Columns 181 through 190	0	0	1	0	1	1	0	1	1	0
Columns 191 through 200	1	1	0	0	1	1	1	0	1	1
Columns 201 through 210	1	1	0	0	0	0	0	0	1	1
Columns 211 through 220	0	0	0	0	0	0	1	0	1	0
Columns 221 through 230	0	0	0	0	1	0	1	1	1	0
Column 231	0									

Codeword:
Columns 1 through 10	1	0	1	1	0	0	0	1	0	0
Columns 11 through 20	0	0	0	0	0	0	1	0	1	1
Columns 21 through 30	0	0	1	0	0	1	0	1	1	1
Columns 31 through 40	1	0	1	0	1	1	1	0	0	0
Columns 41 through 50	1	1	1	1	0	1	1	0	1	0
Columns 51 through 60	0	1	0	1	1	1	1	1	1	0
Columns 61 through 70	0	1	0	0	0	1	1	1	0	0
Columns 71 through 80	1	1	1	0	0	1	1	1	0	1
Columns 81 through 90	0	1	0	0	0	1	1	0	0	0
Columns 91 through 100	1	1	0	0	0	1	1	0	0	1
Columns 101 through 110	0	0	1	0	1	1	1	0	1	1
Columns 111 through 120	0	1	0	0	0	1	1	0	1	0
Columns 121 through 130	1	1	0	1	0	1	0	0	1	1
Columns 131 through 140	0	0	1	0	1	1	1	0	0	1
Columns 141 through 150	1	1	1	1	0	1	0	0	0	1
Columns 151 through 160	1	1	1	1	1	1	0	0	0	1
Columns 161 through 170	1	1	1	0	1	1	0	1	0	0
Columns 171 through 180	0	0	1	0	0	0	0	0	1	0
Columns 181 through 190	0	0	1	0	1	1	0	1	1	0
Columns 191 through 200	1	1	0	0	1	1	1	0	1	1
Columns 201 through 210	1	1	0	0	0	0	0	0	1	1
Columns 211 through 220	0	0	0	0	0	0	1	0	1	0
Columns 221 through 230	0	0	0	0	1	0	1	1	1	0
Columns 231 through 240	0	0	0	0	0	0	1	0	0	1
Columns 241 through 250	1	1	0	0	1	0	0	0	1	0

Columns 251 through 255 1   1   0   1   1

Codeword terkena error:

Columns 1 through 10	1	0	1	1	0	0	0	1	0	0
Columns 11 through 20	0	0	0	0	0	0	1	0	1	1
Columns 21 through 30	0	0	1	0	0	1	0	1	1	1
Columns 31 through 40	1	0	1	0	1	1	1	0	0	0
Columns 41 through 50	1	1	1	1	0	1	1	0	1	0
Columns 51 through 60	0	1	0	1	1	1	1	1	1	0
Columns 61 through 70	0	1	0	0	0	1	1	1	0	0
Columns 71 through 80	1	1	1	0	0	1	1	1	0	1
Columns 81 through 90	0	1	0	0	0	1	1	0	0	0
Columns 91 through 100	1	1	0	0	0	1	1	0	0	1
Columns 101 through 110	0	0	1	0	1	1	1	0	1	1
Columns 111 through 120	0	1	0	0	0	1	1	0	1	0
Columns 121 through 130	**0**	1	0	1	0	1	0	0	1	1
Columns 131 through 140	0	0	1	0	1	1	1	0	0	1
Columns 141 through 150	1	1	1	1	0	1	0	0	0	1
Columns 151 through 160	1	1	1	1	1	1	0	0	0	1
Columns 161 through 170	1	1	1	0	1	1	0	1	0	0
Columns 171 through 180	0	0	1	0	0	0	0	0	1	0
Columns 181 through 190	0	0	1	**1**	1	1	0	1	1	0
Columns 191 through 200	1	1	0	0	1	1	1	0	1	1
Columns 201 through 210	1	1	0	0	0	0	0	0	1	1
Columns 211 through 220	0	0	0	0	0	0	1	0	1	0
Columns 221 through 230	0	0	0	0	1	0	1	1	1	0
Columns 231 through 240	0	0	0	0	0	0	1	0	0	1
Columns 241 through 250	1	1	0	0	1	0	0	0	1	0
Columns 251 through 255	1	1	0	1	1					

Codeword error setelah proses pendekodean:

Columns 1 through 10	1	0	1	1	0	0	0	1	0	0
Columns 11 through 20	0	0	0	0	0	0	1	0	1	1
Columns 21 through 30	0	0	1	0	0	1	0	1	1	1
Columns 31 through 40	1	0	1	0	1	1	1	0	0	0
Columns 41 through 50	1	1	1	1	0	1	1	0	1	0
Columns 51 through 60	0	1	0	1	1	1	1	1	1	0
Columns 61 through 70	0	1	0	0	0	1	1	1	0	0
Columns 71 through 80	1	1	1	0	0	1	1	1	0	1
Columns 81 through 90	0	1	0	0	0	1	1	0	0	0
Columns 91 through 100	1	1	0	0	0	1	1	0	0	1
Columns 101 through 110	0	0	1	0	1	1	1	0	1	1
Columns 111 through 120	0	1	0	0	0	1	1	0	1	0
Columns 121 through 130	**1**	1	0	1	0	1	0	0	1	1
Columns 131 through 140	0	0	1	0	1	1	1	0	0	1
Columns 141 through 150	1	1	1	1	0	1	0	0	0	1
Columns 151 through 160	1	1	1	1	1	1	0	0	0	1
Columns 161 through 170	1	1	1	0	1	1	0	1	0	0
Columns 171 through 180	0	0	1	0	0	0	0	0	1	0
Columns 181 through 190	0	0	1	**0**	1	1	0	1	1	0
Columns 191 through 200	1	1	0	0	1	1	1	0	1	1
Columns 201 through 210	1	1	0	0	0	0	0	0	1	1
Columns 211 through 220	0	0	0	0	0	0	1	0	1	0

B.11

Columns 221 through 230 0   0   0   0   1   0   1   1   1   0
Columns 231 through 240 0   0   0   0   0   0   1   0   0   1
Columns 241 through 250 1   1   0   0   1   0   0   0   1   0
Columns 251 through 255 1   1   0   1   1
Dibagi dengan polinomial generator:
Columns 1 through 10   1   0   1   1   0   0   0   1   0   0
Columns 11 through 20   0   0   0   0   0   0   1   0   1   1
Columns 21 through 30   0   0   1   0   0   1   0   1   1   1
Columns 31 through 40   1   0   1   0   1   1   1   0   0   0
Columns 41 through 50   1   1   1   1   0   1   1   0   1   0
Columns 51 through 60   0   1   0   1   1   1   1   1   1   0
Columns 61 through 70   0   1   0   0   0   1   1   1   0   0
Columns 71 through 80   1   1   1   0   0   1   1   1   0   1
Columns 81 through 90   0   1   0   0   0   1   1   0   0   0
Columns 91 through 100 1   1   0   0   0   1   1   0   0   1
Columns 101 through 110 0   0   1   0   1   1   1   0   1   1
Columns 111 through 120 0   1   0   0   0   1   1   0   1   0
Columns 121 through 130 1   1   0   1   0   1   0   0   1   1
Columns 131 through 140 0   0   1   0   1   1   1   0   0   1
Columns 141 through 150 1   1   1   1   0   1   0   0   0   1
Columns 151 through 160 1   1   1   1   1   1   0   0   0   1
Columns 161 through 170 1   1   1   0   1   1   0   1   0   0
Columns 171 through 180 0   0   1   0   0   0   0   0   1   0
Columns 181 through 190 0   0   1   0   1   1   0   1   1   0
Columns 191 through 200 1   1   0   0   1   1   1   0   1   1
Columns 201 through 210 1   1   0   0   0   0   0   0   1   1
Columns 211 through 220 0   0   0   0   0   0   1   0   1   0
Columns 221 through 230 0   0   0   0   1   0   1   1   1   0
Column 231   0
Diperoleh data yang sama dengan data awal.

(n,k) = (255,231) t=3
Data awal:
Columns 1 through 10   1   1   1   0   0   1   1   1   1   1
Columns 11 through 20   1   0   1   1   0   1   1   0   1   0
Columns 21 through 30   0   0   0   0   1   0   0   0   1   0
Columns 31 through 40   1   1   1   0   1   1   0   0   0   1
Columns 41 through 50   0   1   1   1   0   0   1   0   0   0
Columns 51 through 60   0   1   1   1   1   0   0   0   1   1
Columns 61 through 70   0   0   0   1   1   0   0   0   1   0
Columns 71 through 80   1   0   1   1   1   1   1   0   1   0
Columns 81 through 90   0   0   1   0   1   1   1   1   0   1
Columns 91 through 100 1   1   0   1   1   1   0   0   0   1
Columns 101 through 110 1   1   0   1   1   1   0   0   1   1
Columns 111 through 120 1   0   0   1   1   0   0   0   1   1
Columns 121 through 130 1   1   0   1   1   0   0   0   0   1
Columns 131 through 140 1   1   1   0   1   0   0   0   0   1
Columns 141 through 150 0   1   1   1   0   1   1   1   0   1
Columns 151 through 160 0   0   1   0   0   0   1   0   0   1
Columns 161 through 170 0   1   1   1   0   1   0   1   0   1
Columns 171 through 180 0   1   1   0   0   0   1   1   0   1

Columns 181 through 190 1	0	0	0	1	0	0	0	0	1
Columns 191 through 200 1	1	1	1	0	1	0	0	0	1
Columns 201 through 210 1	0	0	1	0	1	1	0	0	1
Columns 211 through 220 1	1	0	1	0	1	1	0	0	1
Columns 221 through 230 0	0	1	0	1	1	1	1	1	0
Column 231 1									

Codeword:

Columns 1 through 10 1	1	1	0	0	1	1	1	1	1
Columns 11 through 20 1	0	1	1	0	1	1	0	1	0
Columns 21 through 30 0	0	0	0	1	0	0	0	1	0
Columns 31 through 40 1	1	1	0	1	1	0	0	0	1
Columns 41 through 50 0	1	1	1	0	0	1	0	0	0
Columns 51 through 60 0	1	1	1	1	0	0	0	1	1
Columns 61 through 70 0	0	0	1	1	0	0	0	1	0
Columns 71 through 80 1	0	1	1	1	1	1	0	1	0
Columns 81 through 90 0	0	1	0	1	1	1	1	0	1
Columns 91 through 100 1	1	0	1	1	1	0	0	0	1
Columns 101 through 110 1	1	0	1	1	1	0	0	1	1
Columns 111 through 120 1	0	0	1	1	0	0	0	1	1
Columns 121 through 130 1	1	0	1	1	0	0	0	0	1
Columns 131 through 140 1	1	1	0	1	0	0	0	0	1
Columns 141 through 150 0	1	1	1	0	1	1	1	0	1
Columns 151 through 160 0	0	1	0	0	0	1	0	0	1
Columns 161 through 170 0	1	1	1	0	1	0	1	0	1
Columns 171 through 180 0	1	1	0	0	0	1	1	0	1
Columns 181 through 190 1	0	0	0	1	0	0	0	0	1
Columns 191 through 200 1	1	1	1	0	1	0	0	0	1
Columns 201 through 210 1	0	0	1	0	1	1	0	0	1
Columns 211 through 220 1	1	0	1	0	1	1	0	0	1
Columns 221 through 230 0	0	1	0	1	1	1	1	1	0
Columns 231 through 240 1	0	0	0	1	1	1	1	1	1
Columns 241 through 250 0	0	1	1	1	0	0	0	1	0
Columns 251 through 255 0	0	1	1	0					

Codeword terkena error:

Columns 1 through 10 1	1	1	0	0	1	1	1	1	1
Columns 11 through 20 1	0	1	1	0	1	1	0	1	0
Columns 21 through 30 0	0	0	0	1	0	0	0	1	0
Columns 31 through 40 1	1	1	0	1	1	0	0	0	1
Columns 41 through 50 0	1	1	1	0	0	1	0	0	0
Columns 51 through 60 0	1	1	1	1	0	0	0	1	1
Columns 61 through 70 0	0	0	1	1	0	0	0	1	0
Columns 71 through 80 1	0	1	1	1	1	1	0	1	0
Columns 81 through 90 0	0	1	0	1	1	1	1	0	1
Columns 91 through 100 1	1	0	1	1	1	0	0	0	1
Columns 101 through 110 1	1	0	1	1	1	0	0	1	1
Columns 111 through 120 1	0	0	1	1	0	0	0	1	1
Columns 121 through 130 1	1	0	1	1	0	0	0	0	1
Columns 131 through 140 1	1	1	0	1	0	**1**	0	0	1
Columns 141 through 150 0	1	1	1	0	1	1	1	0	1
Columns 151 through 160 0	0	1	0	0	0	1	0	0	1
Columns 161 through 170 0	1	1	1	0	1	0	1	0	1

	1	2	3	4	5	6	7	8	9	10
Columns 171 through 180	0	1	1	0	0	0	1	1	0	1
Columns 181 through 190	1	0	0	0	1	0	0	0	0	1
Columns 191 through 200	1	1	1	1	0	1	0	0	0	1
Columns 201 through 210	1	0	0	1	0	1	1	0	0	1
Columns 211 through 220	**0**	1	0	1	0	1	1	0	0	1
Columns 221 through 230	0	0	1	0	1	1	1	1	1	0
Columns 231 through 240	1	0	0	0	1	1	1	1	1	1
Columns 241 through 250	0	0	1	**0**	1	0	0	0	1	0
Columns 251 through 255	0	0	1	1	0					

Codeword error setelah proses pendekodean:

	1	2	3	4	5	6	7	8	9	10
Columns 1 through 10	1	1	1	0	0	1	1	1	1	1
Columns 11 through 20	1	0	1	1	0	1	1	0	1	0
Columns 21 through 30	0	0	0	0	1	0	0	0	1	0
Columns 31 through 40	1	1	1	0	1	1	0	0	0	1
Columns 41 through 50	0	1	1	1	0	0	1	0	0	0
Columns 51 through 60	0	1	1	1	1	0	0	0	1	1
Columns 61 through 70	0	0	0	1	1	0	0	0	1	0
Columns 71 through 80	1	0	1	1	1	1	1	0	1	0
Columns 81 through 90	0	0	1	0	1	1	1	1	0	1
Columns 91 through 100	1	1	0	1	1	1	0	0	0	1
Columns 101 through 110	1	1	0	1	1	1	0	0	1	1
Columns 111 through 120	1	0	0	1	1	0	0	0	1	1
Columns 121 through 130	1	1	0	1	1	0	0	0	0	1
Columns 131 through 140	1	1	1	0	1	0	**0**	0	0	1
Columns 141 through 150	0	1	1	1	0	1	1	1	0	1
Columns 151 through 160	0	0	1	0	0	0	1	0	0	1
Columns 161 through 170	0	1	1	1	0	1	0	1	0	1
Columns 171 through 180	0	1	1	0	0	0	1	1	0	1
Columns 181 through 190	1	0	0	0	1	0	0	0	0	1
Columns 191 through 200	1	1	1	1	0	1	0	0	0	1
Columns 201 through 210	1	0	0	1	0	1	1	0	0	1
Columns 211 through 220	**0**	1	0	1	0	1	1	0	0	1
Columns 221 through 230	0	0	1	0	1	1	1	1	1	0
Columns 231 through 240	1	0	0	0	1	1	1	1	1	1
Columns 241 through 250	0	0	1	**1**	1	0	0	0	1	0
Columns 251 through 255	0	0	1	1	0					

Dibagi dengan polinomial generator:

	1	2	3	4	5	6	7	8	9	10
Columns 1 through 10	1	1	1	0	0	1	1	1	1	1
Columns 11 through 20	1	0	1	1	0	1	1	0	1	0
Columns 21 through 30	0	0	0	0	1	0	0	0	1	0
Columns 31 through 40	1	1	1	0	1	1	0	0	0	1
Columns 41 through 50	0	1	1	1	0	0	1	0	0	0
Columns 51 through 60	0	1	1	1	1	0	0	0	1	1
Columns 61 through 70	0	0	0	1	1	0	0	0	1	0
Columns 71 through 80	1	0	1	1	1	1	1	0	1	0
Columns 81 through 90	0	0	1	0	1	1	1	1	0	1
Columns 91 through 100	1	1	0	1	1	1	0	0	0	1
Columns 101 through 110	1	1	0	1	1	1	0	0	1	1
Columns 111 through 120	1	0	0	1	1	0	0	0	1	1
Columns 121 through 130	1	1	0	1	1	0	0	0	0	1
Columns 131 through 140	1	1	1	0	1	0	0	0	0	1

Columns 141 through 150	0	1	1	1	0	1	1	1	0	1
Columns 151 through 160	0	0	1	0	0	0	1	0	0	1
Columns 161 through 170	0	1	1	1	0	1	0	1	0	1
Columns 171 through 180	0	1	1	0	0	0	1	1	0	1
Columns 181 through 190	1	0	0	0	1	0	0	0	0	1
Columns 191 through 200	1	1	1	1	0	1	0	0	0	1
Columns 201 through 210	1	0	0	1	0	1	1	0	0	1
Columns 211 through 220	1	1	0	1	0	1	1	0	0	1
Columns 221 through 230	0	0	1	0	1	1	1	1	1	0
Column 231	1									

Diperoleh data yang sama dengan data awal.