```
<!DOCTYPE html>
                                                                                                                  zoom: 10,
                                                                                                                 mapTypeId: google.maps.MapTypeId.ROADMAP
<html>
  <head>
     <!-- Include Google Maps JS API -->
     <script type="text/javascript"</pre>
                                                                                                              //Mengambil elemen DOM pada map
     src="https://maps.googleapis.com/maps/api/js?">
                                                                                                              var mapElement = document.getElementById('mapDiv');
     </script>
     <style type="text/css">
                                                                                                              //Mengaitkan map dengan elemen DOM
        #mapDiv { width: 800px; height: 500px; }
                                                                                                              map = new google.maps.Map(mapElement, mapOptions);
     </style>
     <!-- Memulai membuat Map -->
                                                                                                                                                   //--- MEMANGGIL FUNGSI addPolygon
     <script type="text/javascript">
                                                                                                              addPolygon();
        //Mendefinisikan global variabel map
                                                                                                              //--- MEMANGGIL FUNSI addPolyline ---
        //dalam mengakses fungsi tertentu
                                                                                                              addPolyline();
        var map:
                                                                                                              //--- MEMANGGIL FUNGSI startButtonEvents ---
        //--- START ADDING LINES ---
                                                                                                              startButtonEvents();
        var lineCoordinates = [
          [41.01306,29.14672],[40.8096,29.4818],
                                                                                                          }
          [40.7971,29.9761],[40.7181,30.4980],
          [40.8429,31.0253],[40.7430,31.6241],
                                                                                                          //--- LANJUTAN ADDING MARKER ---
          [40.7472,32.1899],[39.9097,32.8216]
                                                                                                           //Fungsi ini menginisialisasikan event click pada button
                                                                                                          function startButtonEvents() {
        ];
                                                                                                  document.getElementById ('addStandardMarker'). addEventListener ('click', addEventListener') and addEventListener'). \\
        function addPolyline () {
          //Pertama kita tentukan letak dawi koordinat awal
                                                                                                  function(){
          // koordinat tersebut mengincludkan objek dari LatLng class.
                                                                                                                addStandardMarker();
          var pointCount = lineCoordinates.length;
          var linePath = []:
          for (var i=0; i < pointCount; i++) {
                                                                                                              document.getElementById('addIconMarker').addEventListener('click',
            var tempLatLng = new google.maps.LatLng(lineCoordinates[i][0],
                                                                                                  function(){
lineCoordinates[i][1]);
                                                                                                                addlconMarker();
            linePath.push(tempLatLng);
                                                                                                              });
                                                                                                          }
          //Mendefenisikan properties polyline
                                                                                                          function createRandomLatLng() {
          var lineOptions = {
                                                                                                              var deltaLat = maxLat - minLat;
             path: linePath,
                                                                                                              var deltaLng = maxLng - minLng;
             strokeWeight: 7,
                                                                                                              var rndNumLat = Math.random();
             strokeColor: '#FF0000',
                                                                                                              var newLat = minLat + rndNumLat * deltaLat;
             strokeOpacity: 0.8
                                                                                                              var rndNumLng = Math.random();
                                                                                                              var newLng = minLng + rndNumLng * deltaLng;
          var polyline = new google.maps.Polyline(lineOptions);
                                                                                                              return new google.maps.LatLng(newLat, newLng);
                                                                                                          }
          //Menerapkan polyline ke peta
          polyline.setMap(map);
                                                                                                          function addStandardMarker() {
                                                                                                              var coordinate = createRandomLatLng();
        //--- END ADDING LINES ---
                                                                                                              var marker = new google.maps.Marker({
                                                                                                                position: coordinate,
        //--- START ADDING POLYGON ---
                                                                                                                map: map.
        var polygonOptions = {
                                                                                                                title: 'Random Marker - ' + markerId
             paths: linePath,
                                                                                                              });
             strokeColor: '#FF0000',
                                                                                                              markerId++;
            strokeOpacity: 0.9.
             strokeWeight: 3,
                                                                                                           //Menambahkan marker icon secara random
             fillColor: '#FFFF00',
                                                                                                          function addIconMarker() {
             fillOpacity: 0.25
                                                                                                              var markerlcons = ['coffee', 'restaurant_fish', 'walkingtour', 'postal',
                                                                                                  'airport'];
                                                                                                              var rndMarkerId = Math.floor(Math.random() * markerIcons.length);
          var polygon = new google.maps.Polygon(polygonOptions);
                                                                                                              var coordinate = createRandomLatLng();
                                                                                                              var marker = new google.maps.Marker({
          //Polygon is set to current map.
                                                                                                               position: coordinate,
          polygon.setMap(map);
                                                                                                               map: map,
                                                                                                               icon: 'img/' + markerlcons[rndMarkerld] + '.png',
                                                                                                               title: 'Random Marker - ' + markerld
        //--- END ADDING POLYGON ---
                                                                                                              });
        //--- START ADDING MARKER ---
                                                                                                              markerId++;
        //Mendefinisikan langtitude terkecil dan terbesar
        //yang akan diberi marker secara random
                                                                                                           //--- END ADDING MARKER ---
                                                                                                          google.maps.event.addDomListener(window, 'load', initMap);
        var minLat = 36,
                                                                                                       </script>
          maxLat = 42,
          minLng = 25,
          maxLng = 44,
                                                                                                     <body>
          markerId = 1;
                                                                                                       <b>Chapter 1 - My First Map </b>
        //--- ADDING MARKER ---
                                                                                                       <div id="mapDiv"></div>
                                                                                                     </body>
                                                                                                  </html>
        function initMap () {
            //Pemetaan pada peta
           google.maps.visualRefresh = true;
           //Mengatur optional pada map
            var mapOptions = {
               center: new google.maps.LatLng(39.9078, 32.8252),
```

```
1.tugas
<html><head><title>MAP FKI UMS</title>
  <script type="text/javascript"</pre>
src="http://maps.google.com/maps/api/js"></script>
  <script type="text/javascript">
(function() {
 window.onload = function() {
  //google maps GIS by Bangkit Sanyoto //dibuat tanggal 8 Maret 2016// membuat
map berdasarkan div id untuk map
var mapDiv = document.getElementById('map');
// penentuan longitude
var lating = new google.maps.LatLng(-7.556883, 110.771115);
// konfigurasi untuk maps api
var options = {
 center: lating,
 zoom: 18,
 mapTypeId: google.maps. MapTypeId. ROADMAP\\
// membuat imagenya berdasarkan divnya
var map = new google.maps.Map(mapDiv, options);
})();
</script>
<style type="text/css">
body {
 font-family: Verdana, Geneva, Arial, Helvetica, sans-serif;
 font-size: small;
 background: #fff;
#map {
 width: 100%;
 height: 500px;
 border: 1px solid #000;
</style>
</head><body>
 <h1>MAP FKI UMS</h1>
 <div id="map"></div>
 </body>
'</html>
```