

Perancangan Posisi Pemasangan dan Pemilihan Warna Domelight pada Pesawat Perintis = Installation Position and Color Design of Dome Light in Small Plane

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Abstrak

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Pencahayaan yang baik sangat diperlukan untuk melakukan suatu pekerjaan. Salah satunya adalah dalam dunia penerbangan. PT. Dirgantara Indonesia membutuhkan rancangan kokpit yang ergonomis dan salah satunya mencakup bidang pencahayaan, yaitu untuk mengetahui jenis dan titik pemasangan domelight terbaik pada rancangan pesawat perintis XYZ. Domelight sejatinya digunakan untuk membantu pilot maupun kopilot dalam menyiapkan prosedur penerbangan dalam kondisi gelap terutama di malam hari. Kemudian dari hasil perhitungan, lampu 6500K memiliki hasil yang paling baik pada segi performa maupun dari segi kenyamanan. Untuk itu berdasarkan pada penelitian ini diusulkan domelight yang digunakan adalah dengan lampu 6500K yang diletakkan di posisi 2 karena memiliki waktu performa yang terbaik dan nilai kenyamanan tertinggi dibandingkan dengan kombinasi yang lainnya. Dengan didapatkannya hasil tersebut diharapkan kombinasi tersebut nantinya akan bisa membantu pilot dan kopilot dalam melakukan prosedur penerbangan terutama di malam hari.

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ABSTRACT

Good lighting is very necessary to do a job especially in aviation. PT. Dirgantara Indonesia requires the design of an ergonomic cockpit and one of them includes the fields of lighting to know the type and the mounting point of the best aircraft design domelight in pioneer plane type XYZ. Domelight are essentially used to help pilot or co-pilot doing flight procedures in dark conditions especially in the evening. Then from the results of the calculation, the light 6500K have the best results on in terms of performance as well as in terms of convenience. For it is based on this research proposed domelight used is 6500K with lights placed at position 2 because it has the best performance time and highest comfort values compared with other combinations. With the expected results he obtained such combinations will be able to help the pilot and co-pilot of flight procedures in performing mainly at night.; Good lighting is very necessary to do a job especially in aviation. PT. Dirgantara Indonesia requires the design of an ergonomic cockpit and one of them includes the fields of lighting to know the type and the mounting point of the best aircraft design domelight in pioneer plane type XYZ. Domelight are essentially used to help pilot or co-pilot doing flight procedures in dark conditions especially in the evening. Then from the results of the calculation, the light 6500K have the best results on in terms of performance as well as in terms of convenience. For it is based on this research proposed domelight used is 6500K with lights placed at position 2 because it has the best performance time and highest comfort values compared with other combinations. With the expected results he obtained such combinations will be able to help the pilot and co-pilot of flight procedures in performing mainly at night., Good lighting is very necessary to do a job especially in aviation. PT. Dirgantara Indonesia requires the design of an ergonomic cockpit and one of them includes the fields of lighting to know the type and the mounting point of the best aircraft design domelight in pioneer plane type XYZ. Domelight are

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